Home School Packet

Math 54

An Incremental Development

HAKE
SAXON

Home School Packet
for
Math 54

by
Stephen Hake and John Saxon

Answers

CONTENTS

Facts Test Answers 1
Test Answers 11
Textbook Answers 17

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2

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3

4 + 4 = 8	7 + 5 = 12	0 + 1 = 1	8 + 7 = 15	3 + 4 = 7	3 + 2 = 5	8 + 3 = 11	2 + 1 = 3	5 + 6 = 11	2 + 9 = 11
0 + 9 = 9	8 + 9 = 17	7 + 6 = 13	1 + 3 = 4	6 + 8 = 14	7 + 3 = 10	1 + 6 = 7	4 + 7 = 11	0 + 3 = 3	6 + 4 = 10
9 + 3 = 12	2 + 6 = 8	3 + 0 = 3	6 + 1 = 7	3 + 6 = 9	4 + 0 = 4	5 + 7 = 12	1 + 1 = 2	5 + 4 = 9	2 + 8 = 10
4 + 3 = 7	9 + 9 = 18	0 + 7 = 7	9 + 4 = 13	7 + 7 = 14	8 + 6 = 14	0 + 4 = 4	5 + 8 = 13	7 + 4 = 11	1 + 7 = 8
9 + 5 = 14	1 + 5 = 6	9 + 0 = 9	3 + 8 = 11	1 + 9 = 10	9 + 1 = 10	8 + 8 = 16	2 + 2 = 4	4 + 5 = 9	6 + 2 = 8
7 + 9 = 16	1 + 2 = 3	6 + 7 = 13	0 + 8 = 8	9 + 2 = 11	4 + 8 = 12	8 + 0 = 8	3 + 9 = 12	1 + 0 = 1	6 + 3 = 9
2 + 0 = 2	8 + 4 = 12	3 + 5 = 8	9 + 8 = 17	5 + 0 = 5	5 + 5 = 10	3 + 1 = 4	7 + 2 = 9	8 + 5 = 13	3 + 5 = 8
5 + 2 = 7	0 + 5 = 5	6 + 9 = 15	1 + 8 = 9	9 + 6 = 15	7 + 1 = 8	4 + 6 = 10	0 + 2 = 2	6 + 5 = 11	4 + 9 = 13
1 + 4 = 5	3 + 7 = 10	7 + 0 = 7	2 + 3 = 5	5 + 1 = 6	6 + 6 = 12	4 + 1 = 5	8 + 2 = 10	2 + 4 = 6	6 + 0 = 6
5 + 3 = 8	4 + 2 = 6	9 + 7 = 16	0 + 6 = 6	7 + 8 = 15	0 + 0 = 0	5 + 9 = 14	3 + 3 = 6	8 + 1 = 9	2 + 7 = 9

7 − 0 = 7	10 − 8 = 2	6 − 3 = 3	14 − 5 = 9	3 − 1 = 2	16 − 9 = 7	7 − 1 = 6	18 − 9 = 9	11 − 3 = 8	13 − 7 = 6
13 − 8 = 5	7 − 4 = 3	10 − 7 = 3	0 − 0 = 0	12 − 8 = 4	10 − 9 = 1	6 − 2 = 4	13 − 4 = 9	4 − 0 = 4	10 − 5 = 5
5 − 3 = 2	7 − 5 = 2	2 − 1 = 1	6 − 6 = 0	8 − 4 = 4	7 − 2 = 5	14 − 7 = 7	8 − 1 = 7	11 − 6 = 5	3 − 3 = 0
1 − 1 = 0	11 − 9 = 2	10 − 4 = 6	9 − 2 = 7	14 − 6 = 8	17 − 8 = 9	6 − 0 = 6	10 − 6 = 4	4 − 1 = 3	9 − 5 = 4
7 − 7 = 0	14 − 8 = 6	12 − 9 = 3	9 − 8 = 1	12 − 7 = 5	12 − 3 = 9	16 − 8 = 8	9 − 1 = 8	15 − 6 = 9	11 − 4 = 7
8 − 6 = 2	15 − 9 = 6	11 − 8 = 3	3 − 2 = 1	4 − 4 = 0	8 − 2 = 6	11 − 5 = 6	5 − 0 = 5	17 − 9 = 8	6 − 1 = 5
5 − 5 = 0	4 − 3 = 1	8 − 7 = 1	7 − 3 = 4	7 − 6 = 1	5 − 1 = 4	10 − 3 = 7	12 − 6 = 6	10 − 1 = 9	6 − 4 = 2
2 − 2 = 0	13 − 6 = 7	15 − 8 = 7	2 − 0 = 2	13 − 9 = 4	16 − 7 = 9	5 − 2 = 3	12 − 4 = 8	3 − 0 = 3	11 − 7 = 4
8 − 0 = 8	9 − 4 = 5	10 − 2 = 8	6 − 5 = 1	8 − 3 = 5	9 − 0 = 9	5 − 4 = 1	12 − 5 = 7	4 − 2 = 2	9 − 3 = 6
9 − 9 = 0	15 − 7 = 8	8 − 8 = 0	14 − 9 = 5	9 − 7 = 2	13 − 5 = 8	1 − 0 = 1	8 − 5 = 3	9 − 6 = 3	11 − 2 = 9

5

0 × 8 = 0	3 × 2 = 6	5 × 1 = 5	4 × 5 = 20	2 × 0 = 0	1 × 8 = 8	7 × 2 = 14	1 × 1 = 1
5 × 2 = 10	4 × 0 = 0	2 × 8 = 16	1 × 3 = 3	7 × 5 = 35	7 × 0 = 0	8 × 5 = 40	0 × 5 = 0
8 × 1 = 8	6 × 5 = 30	9 × 0 = 0	2 × 6 = 12	0 × 1 = 0	4 × 2 = 8	1 × 6 = 6	9 × 2 = 18
6 × 0 = 0	3 × 5 = 15	5 × 7 = 35	4 × 1 = 4	2 × 2 = 4	8 × 0 = 0	5 × 9 = 45	1 × 2 = 2
5 × 5 = 25	1 × 7 = 7	0 × 0 = 0	8 × 2 = 16	5 × 8 = 40	5 × 6 = 30	3 × 0 = 0	9 × 1 = 9
5 × 3 = 15	0 × 4 = 0	6 × 1 = 6	9 × 5 = 45	5 × 0 = 0	7 × 1 = 7	2 × 5 = 10	0 × 9 = 0
2 × 1 = 2	6 × 2 = 12	0 × 7 = 0	2 × 3 = 6	1 × 4 = 4	2 × 9 = 18	1 × 0 = 0	5 × 4 = 20
0 × 2 = 0	1 × 9 = 9	3 × 1 = 3	2 × 7 = 14	0 × 3 = 0	1 × 5 = 5	2 × 4 = 8	0 × 6 = 0

3 × 5 = 15	6 × 2 = 12	7 × 7 = 49	2 × 0 = 0	7 × 5 = 35	5 × 8 = 40	4 × 2 = 8
9 × 5 = 45	2 × 3 = 6	4 × 4 = 16	1 × 5 = 5	6 × 6 = 36	1 × 2 = 2	5 × 5 = 25
2 × 7 = 14	5 × 4 = 20	8 × 8 = 64	2 × 5 = 10	3 × 3 = 9	0 × 5 = 0	8 × 2 = 16
6 × 5 = 30	0 × 2 = 0	5 × 3 = 15	2 × 8 = 16	8 × 5 = 40	2 × 6 = 12	5 × 1 = 5
3 × 2 = 6	2 × 9 = 18	5 × 7 = 35	2 × 4 = 8	5 × 6 = 30	9 × 9 = 81	2 × 2 = 4
4 × 5 = 20	7 × 2 = 14	5 × 0 = 0	2 × 1 = 2	5 × 9 = 45	9 × 2 = 18	5 × 2 = 10

9 × 9 = 81	2 × 6 = 12	3 × 5 = 15	2 × 2 = 4	8 × 2 = 16	7 × 9 = 63	2 × 3 = 6	5 × 6 = 30
4 × 5 = 20	0 × 9 = 0	9 × 8 = 72	5 × 2 = 10	6 × 9 = 54	7 × 5 = 35	9 × 3 = 27	0 × 5 = 0
6 × 6 = 36	5 × 9 = 45	5 × 8 = 40	9 × 7 = 63	2 × 0 = 0	8 × 8 = 64	7 × 2 = 14	5 × 5 = 25
4 × 2 = 8	1 × 9 = 9	3 × 3 = 9	2 × 8 = 16	4 × 9 = 36	3 × 2 = 6	8 × 9 = 72	5 × 7 = 35
2 × 1 = 2	2 × 9 = 18	7 × 7 = 49	9 × 6 = 54	5 × 0 = 0	4 × 4 = 16	9 × 1 = 9	2 × 5 = 10
1 × 5 = 5	9 × 5 = 45	2 × 7 = 14	5 × 4 = 20	9 × 2 = 18	5 × 3 = 15	0 × 2 = 0	8 × 5 = 40
3 × 9 = 27	2 × 4 = 8	6 × 5 = 30	1 × 2 = 2	9 × 0 = 0	6 × 2 = 12	9 × 4 = 36	1 × 5 = 5

8 × 3 = 24	7 × 4 = 28	7 × 8 = 56	3 × 4 = 12	6 × 7 = 42
8 × 7 = 56	3 × 7 = 21	4 × 6 = 24	8 × 4 = 32	6 × 3 = 18
7 × 6 = 42	4 × 3 = 12	8 × 6 = 48	3 × 8 = 24	4 × 7 = 28
6 × 4 = 24	4 × 8 = 32	3 × 6 = 18	6 × 8 = 48	7 × 3 = 21

Test F—Multiplication Facts: Memory Group

8 × 3 = 24	7 × 4 = 28	7 × 8 = 56	3 × 4 = 12	6 × 7 = 42
8 × 7 = 56	3 × 7 = 21	4 × 6 = 24	8 × 4 = 32	6 × 3 = 18
7 × 6 = 42	4 × 3 = 12	8 × 6 = 48	3 × 8 = 24	4 × 7 = 28
6 × 4 = 24	4 × 8 = 32	3 × 6 = 18	6 × 8 = 48	7 × 3 = 21

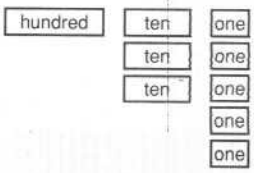
4 × 6 = 24	8 × 8 = 64	5 × 7 = 35	6 × 3 = 18	5 × 6 = 30	4 × 3 = 12	9 × 8 = 72	7 × 5 = 35
2 × 6 = 12	5 × 9 = 45	3 × 3 = 9	9 × 2 = 18	9 × 4 = 36	2 × 5 = 10	7 × 6 = 42	4 × 8 = 32
5 × 2 = 10	7 × 8 = 56	2 × 3 = 6	6 × 8 = 48	3 × 7 = 21	8 × 5 = 40	6 × 2 = 12	5 × 5 = 25
3 × 4 = 12	7 × 3 = 21	5 × 8 = 40	4 × 2 = 8	6 × 4 = 24	2 × 8 = 16	4 × 4 = 16	8 × 2 = 16
2 × 2 = 4	7 × 4 = 28	3 × 8 = 24	8 × 6 = 48	2 × 9 = 18	8 × 4 = 32	9 × 3 = 27	6 × 9 = 54
6 × 7 = 42	4 × 5 = 20	7 × 2 = 14	9 × 6 = 54	7 × 9 = 63	5 × 4 = 20	3 × 2 = 6	9 × 7 = 63
4 × 7 = 28	9 × 5 = 45	3 × 6 = 18	8 × 7 = 56	3 × 5 = 15	2 × 4 = 8	7 × 7 = 49	8 × 9 = 72
8 × 3 = 24	2 × 7 = 14	6 × 5 = 30	4 × 9 = 36	3 × 9 = 27	6 × 6 = 36	9 × 9 = 81	5 × 3 = 15

9 × 1 = 9	2 × 2 = 4	5 × 1 = 5	4 × 3 = 12	0 × 0 = 0	9 × 9 = 81	3 × 5 = 15	8 × 5 = 40	2 × 6 = 12	4 × 7 = 28
5 × 6 = 30	7 × 5 = 35	3 × 0 = 0	8 × 8 = 64	1 × 3 = 3	3 × 4 = 12	5 × 9 = 45	0 × 2 = 0	7 × 3 = 21	4 × 1 = 4
2 × 3 = 6	8 × 6 = 48	0 × 5 = 0	6 × 1 = 6	3 × 8 = 24	1 × 1 = 1	9 × 0 = 0	2 × 8 = 16	6 × 4 = 24	0 × 7 = 0
7 × 7 = 49	1 × 4 = 4	6 × 2 = 12	4 × 5 = 20	2 × 4 = 8	4 × 9 = 36	7 × 0 = 0	1 × 2 = 2	8 × 4 = 32	6 × 5 = 30
3 × 2 = 6	4 × 6 = 24	1 × 9 = 9	5 × 7 = 35	8 × 2 = 16	0 × 8 = 0	4 × 2 = 8	9 × 8 = 72	3 × 6 = 18	5 × 5 = 25
8 × 9 = 72	3 × 7 = 21	9 × 7 = 63	1 × 7 = 7	6 × 0 = 0	0 × 3 = 0	7 × 2 = 14	1 × 5 = 5	7 × 8 = 56	4 × 0 = 0
8 × 3 = 24	5 × 2 = 10	0 × 4 = 0	9 × 5 = 45	6 × 7 = 42	2 × 7 = 14	6 × 3 = 18	5 × 4 = 20	1 × 0 = 0	9 × 2 = 18
7 × 6 = 42	1 × 8 = 8	9 × 6 = 54	4 × 4 = 16	5 × 3 = 15	8 × 1 = 8	3 × 3 = 9	4 × 8 = 32	9 × 3 = 27	2 × 0 = 0
8 × 0 = 0	3 × 1 = 3	6 × 8 = 48	0 × 9 = 0	8 × 7 = 56	2 × 9 = 18	9 × 4 = 36	0 × 1 = 0	7 × 4 = 28	5 × 8 = 40
0 × 6 = 0	7 × 1 = 7	2 × 5 = 10	6 × 9 = 54	3 × 9 = 27	1 × 6 = 6	5 × 0 = 0	6 × 6 = 36	2 × 1 = 2	7 × 9 = 63

$2\overline{)18}$ = 9	$6\overline{)6}$ = 1	$3\overline{)15}$ = 5	$3\overline{)27}$ = 9	$2\overline{)14}$ = 7	$5\overline{)25}$ = 5	$6\overline{)48}$ = 8	$7\overline{)21}$ = 3	$2\overline{)10}$ = 5	$6\overline{)42}$ = 7
$4\overline{)20}$ = 5	$9\overline{)63}$ = 7	$1\overline{)4}$ = 4	$4\overline{)8}$ = 2	$7\overline{)0}$ = 0	$8\overline{)16}$ = 2	$3\overline{)24}$ = 8	$4\overline{)32}$ = 8	$8\overline{)56}$ = 7	$1\overline{)0}$ = 0
$5\overline{)5}$ = 1	$8\overline{)64}$ = 8	$3\overline{)0}$ = 0	$2\overline{)2}$ = 1	$5\overline{)40}$ = 8	$3\overline{)9}$ = 3	$9\overline{)18}$ = 2	$6\overline{)0}$ = 0	$5\overline{)10}$ = 2	$9\overline{)9}$ = 1
$8\overline{)32}$ = 4	$1\overline{)1}$ = 1	$9\overline{)36}$ = 4	$8\overline{)40}$ = 5	$2\overline{)0}$ = 0	$5\overline{)20}$ = 4	$9\overline{)27}$ = 3	$6\overline{)18}$ = 3	$4\overline{)0}$ = 0	$5\overline{)30}$ = 6
$2\overline{)12}$ = 6	$5\overline{)45}$ = 9	$1\overline{)7}$ = 7	$7\overline{)14}$ = 2	$3\overline{)3}$ = 1	$8\overline{)24}$ = 3	$5\overline{)0}$ = 0	$2\overline{)8}$ = 4	$7\overline{)42}$ = 6	$6\overline{)36}$ = 6
$7\overline{)56}$ = 8	$9\overline{)0}$ = 0	$8\overline{)72}$ = 9	$4\overline{)28}$ = 7	$7\overline{)49}$ = 7	$2\overline{)4}$ = 2	$9\overline{)81}$ = 9	$1\overline{)2}$ = 2	$5\overline{)35}$ = 7	$3\overline{)21}$ = 7
$8\overline{)0}$ = 0	$7\overline{)28}$ = 4	$4\overline{)36}$ = 9	$1\overline{)3}$ = 3	$4\overline{)24}$ = 6	$3\overline{)6}$ = 2	$9\overline{)54}$ = 6	$1\overline{)8}$ = 8	$4\overline{)4}$ = 1	$7\overline{)35}$ = 5
$9\overline{)45}$ = 5	$1\overline{)9}$ = 9	$6\overline{)54}$ = 9	$6\overline{)12}$ = 2	$3\overline{)18}$ = 6	$9\overline{)72}$ = 8	$5\overline{)15}$ = 3	$6\overline{)24}$ = 4	$8\overline{)8}$ = 1	$2\overline{)16}$ = 8
$1\overline{)6}$ = 6	$4\overline{)12}$ = 3	$7\overline{)7}$ = 1	$2\overline{)6}$ = 3	$7\overline{)63}$ = 9	$4\overline{)16}$ = 4	$8\overline{)48}$ = 6	$3\overline{)12}$ = 4	$6\overline{)30}$ = 5	$1\overline{)5}$ = 5

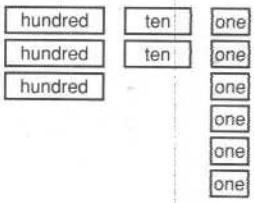
56 ÷ 7 = 8	15 ÷ 3 = 5	12 ÷ 6 = 2	8 ÷ 2 = 4	63 ÷ 7 = 9	0 ÷ 4 = 0
14 ÷ 2 = 7	42 ÷ 6 = 7	6 ÷ 1 = 6	16 ÷ 8 = 2	20 ÷ 5 = 4	49 ÷ 7 = 7
36 ÷ 4 = 9	64 ÷ 8 = 8	0 ÷ 3 = 0	54 ÷ 9 = 6	4 ÷ 2 = 2	48 ÷ 8 = 6
18 ÷ 9 = 2	3 ÷ 1 = 3	35 ÷ 5 = 7	8 ÷ 4 = 2	72 ÷ 8 = 9	6 ÷ 6 = 1
0 ÷ 5 = 0	42 ÷ 7 = 6	2 ÷ 2 = 1	36 ÷ 9 = 4	7 ÷ 1 = 7	12 ÷ 3 = 4
16 ÷ 2 = 8	30 ÷ 5 = 6	0 ÷ 1 = 0	28 ÷ 7 = 4	4 ÷ 4 = 1	40 ÷ 8 = 5
3 ÷ 3 = 1	18 ÷ 6 = 3	63 ÷ 9 = 7	40 ÷ 5 = 8	10 ÷ 2 = 5	36 ÷ 6 = 6
32 ÷ 8 = 4	12 ÷ 4 = 3	18 ÷ 3 = 6	35 ÷ 7 = 5	8 ÷ 8 = 1	2 ÷ 1 = 2
45 ÷ 5 = 9	7 ÷ 7 = 1	27 ÷ 9 = 3	9 ÷ 1 = 9	48 ÷ 6 = 8	0 ÷ 7 = 0
4 ÷ 1 = 4	0 ÷ 9 = 0	24 ÷ 3 = 8	32 ÷ 4 = 8	5 ÷ 5 = 1	72 ÷ 9 = 8
20 ÷ 4 = 5	21 ÷ 7 = 3	0 ÷ 2 = 0	27 ÷ 3 = 9	8 ÷ 1 = 8	54 ÷ 6 = 9
15 ÷ 5 = 3	6 ÷ 3 = 2	28 ÷ 4 = 7	18 ÷ 2 = 9	24 ÷ 6 = 4	9 ÷ 9 = 1
56 ÷ 8 = 7	0 ÷ 6 = 0	21 ÷ 3 = 7	1 ÷ 1 = 1	25 ÷ 5 = 5	12 ÷ 2 = 6
5 ÷ 1 = 5	45 ÷ 9 = 5	16 ÷ 4 = 4	30 ÷ 6 = 5	9 ÷ 3 = 3	14 ÷ 7 = 2
0 ÷ 8 = 0	6 ÷ 2 = 3	24 ÷ 8 = 3	10 ÷ 5 = 2	81 ÷ 9 = 9	24 ÷ 4 = 6

TEST 1, FORM A

1. (a) one's place
   (b) hundreds' place
   (c) tens' place
2. 465
3. 12
4. 12
5. twenty cents
6. 6
7. 343
8. 

9. 24
10. 9
11. 25
12. 9
13. 19
14. 19
15. 9
16. 3
17. 15
18. 0
19. 5
20. 34

TEST 2, FORM A

1. even
2. odd
3. 517
4. 843
5. five hundred eighty-two
6. nine hundred sixty
7. 

8. (a) ones' place
   (b) tens' place
   (c) hundreds' place
9. 8
10. 92
11. 34
12. 65
13. 9
14. 7
15. 6
16. 8
17. 2
18. 21, 24, 27
19. 49, 56, 63
20. 24, 28, 32

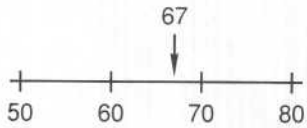
TEST 3, FORM A

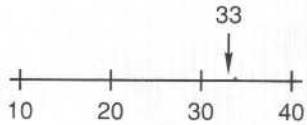
1. 76
2. 496
3. four hundred twenty-nine
4. 11 > 5
5. 390
6. 641
7. 35
8. 716 > 617
9. 562 < 652
10. 45, 54, 63
11. 56, 64, 72
12. 28
13. 9
14. 11
15. 5
16. 8
17. 95
18. 743
19. 7
20. 791

TEST 4, FORM A

1. 43
2. 842
3. 172
4. nine hundred twenty-five
5. 11
6. 63 > 36
7. 514 > 415
8. 38
9. 300 + 40 + 5
10. 15
11. 16
12. 52
13. 11
14. 28
15. 234
16. 45
17. 158
18. 521
19. 15
20. 49, 56, 63

TEST 5, FORM A

1. 25
2. 610
3. 446
4. 800 + 3
5. 130 > 113
6. 8:10 a.m.
7. 82°
8. 9 centimeters
9.
10. 70


11. 30


12. 8
13. 27
14. 761
15. 684
16. 28
17. 92
18. 28
19. 147
20. 1

TEST 6, FORM A

1. 35
2. 33
3. 124
4. 464
5. 27, 36, 54
6. 17 − 9 > 11 − 8
7. 567 < 646
8. 50
9. 12:45 p.m.
10. BROADWAY

14

11. $\frac{7}{12}$
12. 282
13. a
14. 15
15. 62
16. 624
17. 44
18. 29
19. 156
20. 17

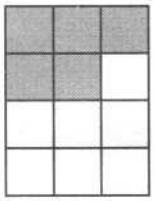
TEST 7, FORM A

1. 152
2. 16
3. twenty-nine dollars
4. 900 + 8; nine hundred eight.
5. $5 \times 0 = 4 \times 0$
6. 11 centimeters
7. 28
8. 21, 18, 9
9. 9:30 a.m.
10. 5:45 a.m.
11. 6×7
12. 772
13. X X X X X
    X X X X X
    X X X X X
    X X X X X
14. (a) 20
    (b) 10
    (c) 40
15. 47
16. 674
17. 39
18. 29
19. 35
20. 58

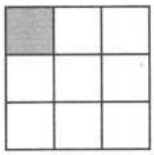
TEST 8, FORM A

1. 251
2. 978
3. $385 < 612$
4. 60,000 + 3000 + 10 + 5
5. ——
6. 4:00 p.m.
7. $\frac{5}{8}$
8. 4×9
9. $50 = 50$
10. odd
11. 175
12. (a) 9
    (b) 36
    (c) 81
13. $43 + 56 = 53 + 46$
14. 233
15. eight hundred fifty-one
16. 99, 90, 63
17. 65
18. 333
19. 49
20. 500

TEST 9, FORM A

1. 283
2. 92
3. 544,362
4. \$8.35; 835¢
5. $1\frac{3}{4}$
6. (a) $\frac{3}{4}$ (b) $2\frac{1}{4}$
7. twelve dollars and twenty-five cents
8. 300,000 + 60,000 + 4000 + 90 + 1
9. 11:45 a.m.
10. 650
11. 
12. (a) 54
    (b) 36
    (c) 81
13. 42°
14. c
15. 358
16. 418
17. 659
18. 277
19. 318
20. 562

TEST 10, FORM A

1. \$0.66
2. 328 miles
3. 567
4. $893 > 599$
5. 3:20 a.m.
6. 700,000 + 20,000 + 4000 + 800 + 60 + 8; seven hundred twenty-four thousand, eight hundred sixty-eight
7. 
8. 245
9. N
10. 13 centimeters
11. 6×4
12. $90 > 80$
13. 15
14. $2\frac{2}{3}$
15. 128
16. 895
17. (a) 21
    (b) 48
    (c) 32
18. 369
19. 732
20. 39

TEST 11, FORM A

1. 338
2. 493
3. 212
4. 965
5.
6. 300,000 + 50,000 + 3000 + 600 + 40 + 4; three hundred fifty-three thousand, six hundred forty-four
7. 11:30 a.m.
8. $1\frac{3}{4}$ inches

15

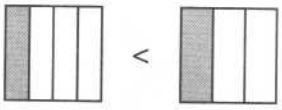
9. $10\frac{1}{6}$
10. 120
11. $14.72
12. $3.53
13. 578
14. 229
15. 216
16. 460
17. 7
18. 7
19. 8
20. 326

TEST 12, FORM A

1. 9
2. 7
3. 1177
4. 178
5. five hundred ninety-three thousand, four
6. 3241
7. $4\frac{5}{8}$
8. a
9. (a) 8 feet
   (b) 3 feet
   (c) 22 feet
10. 600
11. 8138
12. 165,272
13. $3.07
14. 645
15. 371
16. 576
17. 721
18. 4
19. (a) 4 (b) 9
20. 5

TEST 13, FORM A

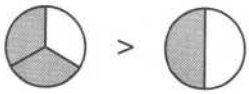
1. 7
2. 432
3. 212
4. sixty-one thousand, two hundred eighty-three
5. January, March, May, July, August, October, December
6. 20
7. <



8. 1200
9. 28 miles
10. 81,422
11. $4.17
12. 1177
13. 28,569
14. 553
15. 7 r 5
16. 8 r 8
17. 24
18. 319
19. 18
20. 951

TEST 14, FORM A

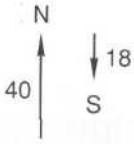
1. 1063
2. 245
3. 7
4. 9
5. 82 pounds
6. $\frac{7}{12}$
7. $\frac{5}{7}$
8. >



9. 800
10. April, June, September, November
11. 32 centimeters
12. $88.20
13. 522
14. 904
15. 388,088
16. 3800
17. 21
18. 9
19. 4 r 5
20. 9 r 5

TEST 15, FORM A

1. 28
2. 50
3. 675,923
4. 22 kilometers



5. 1:45 p.m.
6. 240
7. 196 miles
8. $\frac{3}{5}$
9. 31
10. <

11. 21
12. 154,481
13. 3236
14. $12.85
15. 160
16. 2244
17. 45 r 5
18. 87 r 3
19. 14
20. $8.06

TEST 16, FORM A

1. 22,967
2. 250
3. 735
4. 60
5. $1.38
6. 90
7. 490
8. 480
9. (a) 4 centimeters
   (b) 40 millimeters
10. 2:12 p.m.
11. >

12. $613.04
13. $0.41
14. 1236

16

15. 2040
16. 30 r 7
17. 69 r 3
18. 11
19. 11
20. 14

TEST 17, FORM A

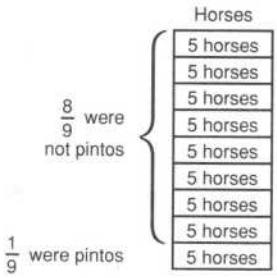
1. 2498
2. 60
3. $14.97
4. 63
5. $\frac{4}{5}$
6. 3500
7. $\frac{2}{11}$
8. 3000
9. 25
10. 73 millimeters
11. 52 millimeters
12. $14.46
13. 1523
14. $4.17
15. 43,645
16. 378
17. 2322
18. 227 r 3
19. 78
20. 369

TEST 18, FORM A

1. 59
2. $1.71
3. 63
4. 26
5. 3000
6. $\frac{3}{7}$
7. 6000
8. 300 g
9. February 24, 2019
10. 6848
11. 1200
12. 35
13. $15.81
14. 3509
15. 1440
16. $55.38
17. 50 r 4
18. 505
19. 67
20. 241

TEST 19, FORM A

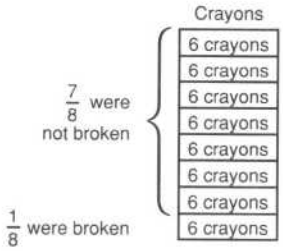
1. 7:45 a.m.
2. 13
3. $4.17
4. 9
5. Wednesday
6. 𝍸 𝍸 𝍸 ||||
7. 6000
8. 40,000
9.



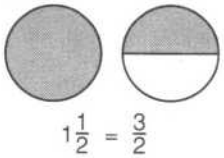
10. 2216
11. 81
12. $57.22
13. 13,795
14. 3409
15. 2900
16. $0.91
17. 500
18. 70
19. 28
20. 63,000

TEST 20, FORM A

1. $1.59
2. (a) 6 (b) 1
3. $0.57 or 57¢
4. 72
5. 8000
6. 𝍸 𝍸 𝍸 𝍸
7. (a) $\frac{3}{10}$ (b) 0.3
8.



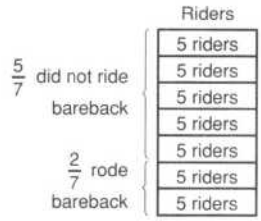
9. 28 millimeters
10. 62,041
11. $263.50
12. 19,452
13. $20.99
14. $45.81
15. 1908
16. $6.30
17. 438 r 7
18.



19. 3404
20. 19

TEST 21, FORM A

1. 14
2. 92 days
3. $0.72 or 72¢
4. (a) 3 (b) 3
5. 10

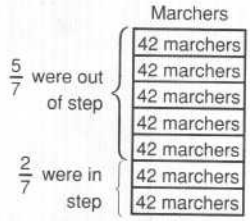


6. (a) 0.07 (b) 0.93
7. six hundred seventeen thousand, nineteen
8. 3000
9. 250
10. 17 hours, 10 minutes
11. 108
12. 52 miles

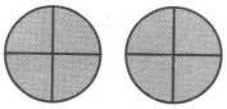
13. $21.19
14. 186,678
15. 28,000
16. $73.44
17. 648
18. 125
19. 183
20. 17

TEST 22, FORM A

1. 24
2. $\frac{1}{24}$
3. 1:30 p.m.
4. 210



5.

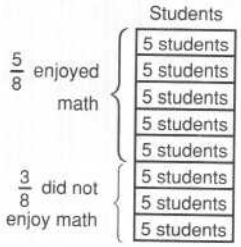
6. (a) 2 centimeters
   (b) 4 centimeters
7. four thousand, two hundred thirty-five and one-fourth
8. 2400
9. $1.95
10. 300,000 + 8000 + 600 + 5; three hundred eight thousand, six hundred five
11. 372,201
12. $0.40; $3.20
13. 

$2 = \frac{8}{4}$

14. $9.41
15. $23.83
16. 10
17. 6400
18. 3072
19. $12.50
20. 54

TEST 23, FORM A

1. 4
2. $2.52
3. 25 inches
4. 25



5.

6. (a) $\frac{3}{4}$ inches
   (b) $1\frac{1}{2}$ inches
7. six hundred nineteen and thirty-one hundredths
8. 12,000
9. 2
10. $\frac{21}{21}$
11. $9.20
12. $2.80
13. 35 miles; 350 miles
14. 25.16
15. $25.37
16. $41.13
17. 4900
18. 6497
19. 240 r 1
20. 277

TEST 24, FORM A

1. $3.02
2. $0.90
3. 84¢
4. 20
5. (a) 32 millimeters
   (b) 3.2 centimeters
6. $\frac{6}{6}$
7. two thousand, four hundred sixty-three and two-tenths
8. 7000
9. (a) $7\frac{1}{2}$ (b) $2\frac{2}{3}$ (c) $4\frac{1}{4}$
10. 128
11. $48.00
12. $10.15
13. 30.18
14. 9.24
15. $\frac{3}{5}$
16. 2320
17. $4.36
18. 79
19. 3 r 9
20. 11

TEST 25, FORM A

1. $14.20
2. 12 square feet
3. 40
4.

5. $\frac{5}{8}$
6. $\frac{6}{6}$
7. one thousand, two hundred thirty-seven and seven-tenths
8.

$\frac{1}{4} = \frac{2}{8}$

9. 168 miles
10. $11.40
11. 19
12. 46.04
13. 110.65
14. $\frac{2}{7}$
15. $\frac{2}{9}$

16. 1972
17. \$12.09
18. 84
19. 16 r 1
20. 39

TEST 26, FORM A

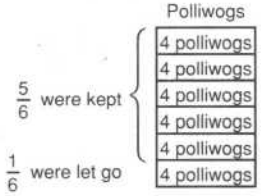
1. 5
2. (a) 50 square inches
(b) 30 inches
3. \$40.00
4. \$6.00
5. 5000
6. thirteen thousand, nine hundred sixteen and two-tenths
7. (a) $\frac{1}{4}$ (b) $\frac{1}{5}$ (c) $\frac{1}{3}$
8.

$\frac{3}{4} = \frac{6}{8}$

9. 36 pounds
10. 10,071
11. 245 laps
12. 37.85
13. $4\frac{3}{7}$
14. 17
15. $6\frac{1}{3}$
16. $2\frac{4}{9}$
17. 24,856
18. \$0.97
19. 764
20. 95

TEST 27, FORM A

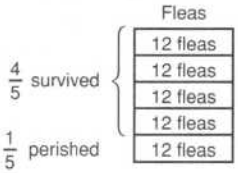
1. 20



2. 24
3. \$2.24
4. 14,300
5. (a) 27 (b) XXXIX
6. (a) $\frac{4}{12}$ (b) $\frac{3}{12}$
7. (a) $\frac{1}{2}$ (b) $\frac{2}{3}$
8. \$0.99 or 99¢
9. 370 miles
10. $\frac{3}{15}, \frac{10}{15}$
11. 12.41
12. $3\frac{2}{5}$
13. 22
14. 16
15. 28,800
16. 4807
17. 912
18. 723
19. 46,648
20. \$6.25

TEST 28, FORM A

1. 64
2. 48



3. (a) 225 square millimeters
(b) 60 millimeters
4. 38
5. 60
6. 75 miles
7. 534,900
8. (a) 29 (b) XXXIV
9. (a) $\frac{5}{8}$ (b) $\frac{3}{5}$
10. 113,267,943
11. 2.53
12. $5\frac{1}{4}$
13. $\frac{5}{6}$
14. $4\frac{1}{5}$
15. 31
16. $\frac{1}{8}$
17. 5964
18. 48,000
19. 1439
20. \$8.89

19

PRACTICE

a. 7
b. 8
c. 0

PROBLEM SET 1

1. 11
2. 11
3. 4
4. 15
5. 7
6. 5
7. 17
8. 19
9. 5
10. 19
11. 17
12. 13
13. 17
14. 3
15. 1
16. 2
17. 2
18. 18
19. 2
20. 13
21. 29
22. 8
23. 30
24. 30
25. 19
26. 30
27. 28

PRACTICE

a. 6, 5, 4
b. 15, 18, 21
c. 40, 30, 20
d. 25, 30, 35

PROBLEM SET 2

1. 26
2. 15
3. 19
4. 6
5. 9
6. 3
7. 40
8. 19
9. 20
10. 100
11. 24, 30, 36
12. 12, 15, 18
13. 16, 20, 24
14. 18, 9, 0
15. 16
16. 24
17. 20
18. 12
19. 16 rectangles
20. 24 X's
21. 30 circles
22. 26
23. 32
24. 24
25. 27
26. 28
27. 33
28. 31
29. 28

PRACTICE

a. 2
b. 4
c. 10
d. 9
e. 1
f. 0

PROBLEM SET 3

1. 25, 30, 35
2. 35, 42, 49
3. 40, 48, 56
4. 20, 24, 28
5. 80
6. 6
7. 9
8. 40
9. 63
10. 24
11. (a) 3 (b) 3 (c) 9
12. (a) 7 (b) 0 (c) 9
13. 12
14. 20
15. 9
16. 4
17. 2
18. 32 X's
19. 20 cents
20. 30 X's
21. 21
22. 20
23. 31
24. 29
25. 23
26. 43
27. 27
28. 37

PRACTICE

hundred	ten	one
hundred	ten	
	ten	

PROBLEM SET 4

1. 6
2. 12
3. 3
4. 5
5. 6
6. 4
7. 5
8. 4
9. 3
10. 3
11. 60, 70, 80
12. 30, 35, 40
13. 18, 21, 24
14. 12, 6, 0
15. 24, 28, 32
16. 14, 7, 0
17. 54, 63, 72
18. (a) 5 (b) 7 (c) 6
19. (a) 4 (b) 7 (c) 3
20.

hundred	ten	one
hundred	ten	one
hundred		

21. 434
22. 30
23. 28
24. 20 ears
25. 23
26. 28
27. 31
28. 32
29. 27

PRACTICE

a. ones
b. tens

20

c. hundreds
d. 523
e. 746

PROBLEM SET 5

1. 7
2. 6
3. 4
4. 6
5. 3
6. 5
7. 6
8. 2
9. 2
10. 1
11. 70, 80, 90
12. 35, 40, 45
13. 21, 24, 27
14. 42, 48, 54
15. 28, 32, 36
16. 49, 56, 63
17. 36
18. 35
19.

hundred	ten	one
hundred	ten	one
hundred		one
		one

20. (a) hundreds (b) ones (c) tens
21. 235
22. 12
23. 14 elbows
24. 31
25. 29
26. 33
27. 36
28. 29
29. 27
30. 2
31. 4

PRACTICE

a. 6
b. 6
c. 8
d. 7
e. 7

PROBLEM SET 6

1. 9
2. 7
3. 5
4. 4
5. 7
6. 5
7. 8
8. 3
9. 8
10. 6
11. 9
12. 6
13. 8
14. 8
15. 4
16. 35, 40, 45
17. 22, 24, 26
18. 42, 49, 56
19. 32, 36, 40
20. 654
21.

hundred	ten	one	one
hundred	ten	one	one
hundred		one	one

22. (a) hundreds (b) ones (c) tens
23. 7
24. 8
25. 4
26. 6
27. 40
28. 33
29. 42
30. 35

PRACTICE

a. zero
b. eighty-one
c. ninety-nine
d. five hundred fifteen
e. four hundred forty-four
f. nine hundred nine
g. 19
h. 91
i. 524
j. 860

PROBLEM SET 7

1. 8
2. 5
3. 4
4. 7
5. 7
6. 8
7. 6
8. 4
9. 8
10. 7
11. 214
12. 532
13. three hundred one
14. three hundred twenty
15. three hundred twelve
16. 30, 36, 42
17. 24, 27, 30
18. 32, 36, 40
19. 48, 54, 60
20. 56, 63, 70
21. 64, 72, 80
22. 301
23. 220
24. 28
25. 23
26. 26
27. 28
28. 35
29. 39
30. 37

PRACTICE

a. 79
b. 89
c. 78
d. 78
e. 36
f. 55

PROBLEM SET 8

1. 343
2. 307
3. 614
4. five hundred ninety-two
5. six hundred three
6. seven hundred thirteen
7. 6
8. 3
9. 6
10. 5
11. 6
12. 99

21

13. 38
14. 78
15. 39
16. 68
17. 9
18. 8
19. 4
20. 12
21. 6
22. 21, 24, 27
23. 49, 56, 63
24. 42, 49, 56
25. 40, 48, 56
26. 33
27. 41
28. 26
29. 37
30. 34

PRACTICE

a. 65
b. 55
c. 70
d. 92
e. 67
f. 71

PROBLEM SET 9

1. 613
2. 542
3. 901
4. five hundred two
5. seven hundred twenty
6. nine hundred forty-one
7. 5
8. 6
9. 4
10. 7
11. 7
12. 65
13. 96
14. 74
15. 41
16. 80
17. 2
18. 7
19. 9
20. 6
21. 9
22. 45, 50, 55
23. 48, 54, 60
24. 49, 56, 63
25. 8
26. 34
27. 75
28. 62
29. 37
30. 32

PRACTICE

a. odd
b. even
c. odd
d. even
e. 630, 632, 634, 636, or 638

PROBLEM SET 10

1. 542
2. 619
3. 302
4. nine hundred three
5. seven hundred forty-six
6. eight hundred thirteen
7. 501, 503, 505, 507, or 509
8. 920, 922, 924, 926, or 928
9. 7
10. 7
11. 2
12. 6
13. 7
14. 7
15. 9
16. 5
17. 8
18. 7
19. 50
20. 66
21. 63
22. 53
23. 83
24. 27, 30, 33
25. 36, 42, 48
26. 45, 54, 63
27. 34
28. 42
29. 38
30. 31

PRACTICE

a. 13 laps
b. 19 pencils

PROBLEM SET 11

1. 25 balls
2. 12 rabbits
3. 714
4. 347
5. seven hundred six
6. five hundred thirty-two
7. 750, 752, 754, 756, or 758
8. 261, 263, 265, 267, or 269
9. 5
10. 5
11. 0
12. 6
13. 7
14. 9
15. 12
16. 6
17. 7
18. 9
19. 37
20. 23
21. 43
22. 73
23. 96
24. 18, 21, 24
25. 35, 42, 49
26. 48, 56, 64
27. 37
28. 36
29. 36
30. 35

PRACTICE

a. 25
b. 16
c. 40
d. 85

PROBLEM SET 12

1. 17 horses
2. 37 gnomes
3. 642
4. 312
5. seven hundred thirteen
6. nine hundred forty-one
7. 571, 573, 575, 577, or 579

26

8. 15
9. 6
10. 7
11. 1
12. 4
13. 8
14. 7
15. 4
16. 7
17. 9
18. 4
19. 75
20. 92
21. 92
22. 132
23. 73
24. 21, 24, 27
25. 48, 54, 60
26. 40, 48, 56
27. 35
28. 35
29. 35
30. 42

PRACTICE

a. 8
b. 7
c. 7
d. 7

PROBLEM SET 13

1. 79 acorns
2. 62 fairies
3. 715
4. six hundred three
5. two hundred twenty-two
6. 946
7. 70
8. 4
9. 8
10. 6
11. 9
12. 4
13. 8
14. 7
15. 5
16. 12
17. 5
18. 64
19. 51
20. 61
21. 4
22. 4
23. 49, 56, 63
24. 27, 30, 33
25. 30, 35, 40
26. 31
27. 34
28. 32
29. 45
30. 34

PRACTICE

a. 13 < 30
b. 40 > 14
c. >
d. <
e. =
f. 123, 132, 213

PROBLEM SET 14

1. 79 students
2. 64 altogether
3. 642
4. five hundred two
5. 14 > 7
6. >
7. <
8. 30
9. 4
10. 1
11. 7
12. 8
13. 5
14. 8
15. 6
16. 5
17. 4
18. 12
19. 95
20. 73
21. 65
22. 7
23. 8
24. 45, 54, 63
25. 56, 64, 72
26. 32, 36, 40
27. 29
28. 23
29. 30
30. 26

PRACTICE

a. 765
b. 651
c. 587
d. 794
e. 625

PROBLEM SET 15

1. 96 students
2. 113
3. nine hundred thirteen
4. 743
5. 75 < 98
6. >
7. <
8. 84
9. 807
10. 940
11. 1130
12. 804
13. 1044
14. 5
15. 2
16. 6
17. 4
18. 9
19. 6
20. 15
21. 8
22. 7
23. 16
24. 125
25. 152
26. 127
27. 2
28. 6
29. 40, 45, 50
30. 49, 56, 63

PRACTICE

a. 13 marigolds
b. 7 agates

PROBLEM SET 16

1. 43 towheads
2. 9 birds
3. odd
4. nine hundred four

5. 511
6. >
7. >
8. 170
9. 841
10. 807
11. 743
12. 744
13. 730
14. 4
15. 6
16. 4
17. 5
18. 6
19. 5
20. 3
21. 12
22. 8
23. 6
24. 4
25. 7
26. 6
27. 7
28. 4
29. 20, 15, 10
30. 21, 14, 7

PRACTICE

a. 24
b. 23
c. 44
d. 77

PROBLEM SET 17

1. 59 red ones
2. 7 green ones
3. 132
4. nine hundred fifteen
5. 713
6. <
7. >
8. 45
9. 644
10. 774
11. 810
12. 716
13. 734
14. 8
15. 7
16. 3
17. 7
18. 6
19. 8
20. 22
21. 31
22. 15
23. 12
24. 43
25. 14
26. 12
27. 23
28. 21
29. 54, 45, 36
30. 14, 7, 0

PRACTICE

a. 27
b. 27
c. 7
d. 28
e. 46
f. 26

PROBLEM SET 18

1. 735 acorns
2. 56 knights
3. 376
4. six hundred five
5. 10
6. >
7. <
8. 34
9. 724
10. 734
11. 910
12. 607
13. 570
14. 9
15. 4
16. 5
17. 5
18. 6
19. 18
20. 19
21. 4
22. 16
23. 28
24. 8
25. 13
26. 7
27. 11
28. 4
29. 65, 60, 55
30. 35, 42, 49

PRACTICE

a. 80 + 6
b. 300 + 20 + 5
c. 500 + 7
d. 200 + 20 + 5

PROBLEM SET 19

1. 66 horses
2. 482 students
3. 281
4. 700 + 80 + 2
5. 100
6. >
7. <
8. 475
9. 704
10. 821
11. 471
12. 515
13. 724
14. 8
15. 6
16. 9
17. 5
18. 8
19. 28
20. 26
21. 6
22. 14
23. 37
24. 49
25. 34
26. 16
27. 34
28. 82
29. 35, 20, 5
30. 28, 32, 36

PRACTICE

a. 217
b. 140
c. 137
d. 519
e. 111

24

PROBLEM SET 20

1. 51 stitches
2. 769 roses
3. 298
4. eight hundred thirteen
5. 11
6. 125
7. 611
8. 487
9. 874
10. 595
11. 320
12. 7
13. 6
14. 18
15. 2
16. 13
17. 9
18. 19
19. 34
20. 46
21. 226
22. 47
23. 25
24. 23
25. 61
26. 32
27. 60, 45, 30
28. 36, 32, 28
29. 21, 24, 27
30. 35, 40, 45

PRACTICE

a. 98°
b. 75
c. 260

PROBLEM SET 21

1. 32 petals
2. 679 in all
3. 752
4. 249
5. (c)
6. 475
7. 670
8. 778
9. 948
10. 787
11. 138
12. 6
13. 8
14. 8
15. 4
16. 5
17. 13
18. 4
19. 14
20. 24
21. 168
22. 21
23. 9
24. 28
25. 82
26. 22
27. 150, 130, 110
28. 400 + 90 + 8
29. <
30. 41

PRACTICE

a. 8:30 a.m.
b. 7:12 a.m.
c. 10:40 a.m.

PROBLEM SET 22

1. 25 pencils
2. 683 in all
3. 547
4. 900 + 5
5. 120 > 112
6. 4:30 a.m.
7. 76°
8. 761
9. 653
10. 885
11. 7
12. 8
13. 15
14. 5
15. 9
16. 16
17. 5
18. 19
19. 16
20. 24
21. 24
22. 77
23. 21
24. 82
25. 52
26. 162
27. 187
28. 217
29. 179
30. 105, 120, 135

PRACTICE

a. 3 cm
b. 5 cm

PROBLEM SET 23

1. 24
2. 873
3. 645
4. 500 + 9
5. 493 > 439
6. 70°
7. 4:15 p.m.
8. 3 cm
9. 761
10. 684
11. 965
12. 674
13. 8
14. 0
15. 7
16. 7
17. 8
18. 27
19. 15
20. 23
21. 13
22. 17
23. 32
24. 86
25. 47
26. 166
27. 164
28. 352
29. 134
30. 24, 16, 8

PRACTICE

a.
b.
c.

25

PROBLEM SET 24

1. 639 marbles
2. 25 jacks
3. 645
4. 700 + 50 + 3
5. 477 < 542
6. 350
7. 12 cm
8. 771
9. 864
10. 633
11. 813
12. 677
13.
14.
15. 8
16. 16
17. 9
18. 17
19. 21
20. 12
21. 92
22. 27
23. 147
24. 142
25. 139
26. 174
27. 154
28. 203
29. 241
30. 49, 56, 63

PRACTICE

a. 80
b. 40
c. 60
d. 50

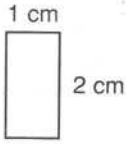
PROBLEM SET 25

1. 143
2. 124
3. 68 books
4. 747
5. 400 + 10 + 1
6. 580 > 518
7. 70
8. 5 cm
9.
10. 583
11. 1004
12. 871
13. 843
14. 677
15. 16
16. 27
17. 25
18. 47
19. 27
20. 122
21. 198
22. 142
23. 22
24. 9
25. 35, 42, 49
26. 60, 65, 70
27. 49, 56, 63
28. 55
29. 111
30. 207

PRACTICE

a. 5 m
b. 100 cm
c. 1000 m

PROBLEM SET 26

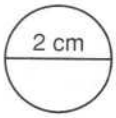
1. 556
2. 47 times
3. 375
4. 700 + 40 + 2
5. 70
6. 1 m
7. 86°
8. 

9. 327 < 330
10. 16
11. 847
12. 24
13. 43
14. 645
15. 33
16. 28
17. 762
18. 15
19. 249
20. 244
21. 12
22. 72
23. 24
24. 26
25. 56
26. 42, 48, 54
27. 40, 44, 48
28. 35, 20, 5
29. 127
30. 172

PRACTICE

a. $\frac{1}{3}$
b. $\frac{5}{9}$
c. $\frac{3}{8}$
d. $\frac{1}{4}$

PROBLEM SET 27

1. 16
2. 51 inches tall
3. 123
4. 56, 48, 40
5. 42, 36, 30
6. 27
7. 20
8. tens
9. 100 + 6
10. one hundred six
11. one hundred sixty
12. 18 − 9 = 5 + 4
13. 30
14. 2 m
15. 96
16. 

17. $\frac{1}{6}$
18. 8
19. 26
20. 28

21. 9
22. 26
23. 14
24. 943
25. 186
26. 4
27. 69
28. 17
29. 65
30. 184

PRACTICE

a.

b.

c. parallel

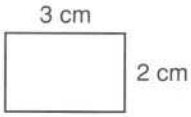
PROBLEM SET 28

1. 223
2. 39 red
3. 321
4. 28, 24, 20
5. 21, 18, 15
6. 638 < 683
7. 90
8. 20 cm
9. 3 cm
10.
11. $\frac{1}{3}$
12. 2:15 p.m.
13. 56
14. 15
15. 36
16. 624
17. 731
18. 29
19. 19
20. 44
21. 67
22. 15
23. 212
24. 156
25. 15
26. 7
27. 17
28. 47
29. 153
30. 95

PRACTICE

a. 3 angles
b. (2)
c. perpendicular

PROBLEM SET 29

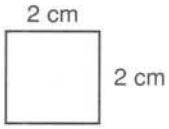
1. 637
2. 35 apples
3. 45
4. 27, 36, 54
5. 21, 28, 42
6. >
7. 80
8. 2 m
9. 7:10 a.m.
10. Oak
11. $\frac{1}{2}$
12. 

13. (a)
14. 17
15. 715
16. 15
17. 755
18. 34
19. 22
20. 28
21. 44
22. 17
23. 9
24. 179
25. 647
26. 18
27. 9
28. 18
29. 393
30. 526

PRACTICE

a. 16 marbles
b. 68 marbles
c. 48 cents

PROBLEM SET 30

1. 48 rocks
2. 49 birds
3. 122 cats
4. 467
5. 15, 20, 30
6. 762 < 826
7. 80
8. 26 cm
9. 1:20 p.m.
10. Broadway
11. $\frac{5}{12}$
12. 

13. 286
14. 38
15. 653
16. 24
17. 755
18. 29
19. 32
20. 81
21. 46
22. 18
23. 18
24. 402
25. 153
26. 5
27. 28
28. 14
29. 388
30. 631

PRACTICE

a.

b.

c.

d.

27

PROBLEM SET 31

1. 15 pebbles
2. 63 pebbles
3. 175
4. 456
5. 28, 42, 49
6. 32, 48, 56
7. 27 + 11 = 11 + 27
8. 20
9. 100 cm
10. 11:35 a.m.
11. Broadway
12. $\frac{3}{10}$
13. 360 pounds
14. 18
15. 763
16. 29
17. 835
18. 29
19. 22
20. 39
21. 39
22. 19
23. 45
24. 761
25. 213
26. 13
27. 35
28. 22
29. 570
30. 59

PRACTICE

a. 4 × 3
b. 3 × 9
c. 6 × 7
d. 8 × 5
e. 1:10 p.m.
f. 3:55 a.m.

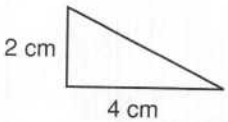
PROBLEM SET 32

1. 36 elves
2. 27 dryads
3. 32, 34, 36, 38
4. 12, 16, 28
5. 21, 18, 9
6. 200 + 60 + 5
7. six hundred thirteen
8. 60
9. >
10. 550
11.
12. $\frac{2}{5}$
13. 4:30 p.m.
14. 38
15. 861
16. 32
17. 827
18. 28
19. 21
20. 20
21. 41
22. 55
23. 32
24. 755
25. 323
26. 15
27. 27
28. 32
29. 4 × 9
30. 65

PRACTICE

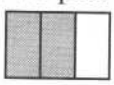
a. 27
b. 27
c. 24
d. 24
e. 56
f. 56
g. 40
h. 40

PROBLEM SET 33

1. 414 pieces of gingerbread
2. $17
3. 65
4. 18, 24, 42
5. 32, 28, 16
6. two hundred sixty-five
7. 30
8. 

9. 4:25 p.m.
10. $\frac{5}{12}$
11. 400 + 10 + 7
12. 4 cm
13. 47
14. 674
15. 34
16. 830
17. 16
18. 39
19. 30
20. 51
21. 27
22. 6
23. 788
24. 268
25. 35
26. 48
27. 34
28. 15
29. 7 × 6
30. 58

PROBLEM SET 34

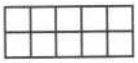
1. 744 soldiers
2. 68 blackbirds
3. 41 rocks
4. 16, 24, 48
5. 21, 28
6. 465
7. 209 > 190
8. 9:40 p.m.
9. 
10. 16
11. 35
12. 14
13. 40
14. 64
15. 673
16. 34
17. 866
18. 28
19. 51
20. 39
21. 61
22. 27
23. 6
24. 774
25. 330
26. 39

27. 48
28. 25
29. 3 × 8
30. 55

PRACTICE

a.
x x x
x x x
x x x
x x x
x x x
x x x

b.



c. 3 × 5
d. 4 × 7
e. 5 × 6
f. 9 × 3

PROBLEM SET 35

1. 113 boys
2. 21 crayons
3. 36 crayons
4. 36
5. 54, 63, 90
6. 9:15 a.m.
7. 700 + 3; seven hundred three
8. 8 × 0 = 9 × 0
9. 3 cm
10. 752
11.
x x x x
x x x x
x x x x
x x x x
x x x x

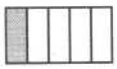
12. 20
13. 10
14. 40
15. 64
16. 661
17. 23
18. 962
19. 41
20. 47
21. 90
22. 51
23. 21
24. 35
25. 788
26. 247
27. 37
28. 36
29. 6 × 7
30. 59

PRACTICE

a. 78
b. 312
c. 207
d. 175
e. 283
f. 59

PROBLEM SET 36

1. 69 students
2. 17 children
3. (a)
4. 10:35 a.m.
5.



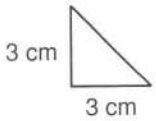
6. 480
7. 8 × 4
8. 800 + 40 + 3; eight hundred forty-three
9. 316
10. 472
11. 164
12. 8
13. 20
14. 30
15. 45
16. 664
17. 13
18. 761
19. 29
20. 43
21. 11
22. 61
23. 29
24. 8
25. 779
26. 350
27. 27
28. 37
29. 7 × 1
30. 56

PRACTICE

a. 16
b. 20 fewer peanuts
c. 42 more shells

PROBLEM SET 37

1. 16 parrots
2. 127
3. 52
4. 11:45 p.m.
5. 400 + 10 + 2; four hundred twelve
6. $\frac{7}{18}$
7.



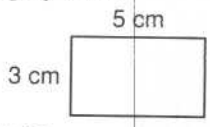
8. 10
9. 35
10. 14
11. 110
12. 40
13. 16
14. 45
15. 174
16. 878
17. 278
18. 228
19. 781
20. 516
21. 422
22. 48
23. 15
24. 247
25. 26
26. 38
27. 337
28. 5 × 2
29.
x x x x x
x x x x x
x x x x x

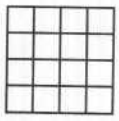
30. 74

PRACTICE

a. 9
b. 36
c. 81
d. 16
e. 64
f. 49
g.

PROBLEM SET 38

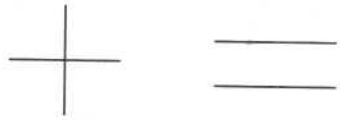
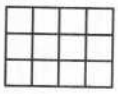
1. 15
2. 24
3. 398 hikers
4. 400 + 80 + 3; four hundred eighty-three
5. 

6. 11:05 a.m.
7. $\frac{2}{5}$
8. 4 × 7
9. 40 = 40
10. 542
11. 650
12. 16
13. 36
14. 49
15. 81
16. 165
17. 758
18. 155
19. 278
20. 238
21. 795
22. 333
23. 58
24. 687
25. 149
26. 484
27. 
28. 153
29. 329
30. 85

PRACTICE

a. 1000 + 200 + 80 + 4
b. 20,000 + 6000 + 400 + 10 + 6
c. 400,000 + 60,000 + 2000 + 100 + 80 + 4

PROBLEM SET 39

1. 157
2. 449
3. 641 beds
4. 70,000 + 8000 + 60 + 2
5. 
6. 7:05 a.m.
7. $\frac{3}{8}$
8. 7 × 7
9. 80 < 90
10. 452
11. 170
12. 49
13. 81
14. 36
15. 30
16. 176
17. 879
18. 76
19. 159
20. 219
21. 757
22. 85
23. 732
24. 500
25. 154
26. 179
27. 
28. 70
29. 123
30. 94

PRACTICE

a. 54
b. 45
c. 72
d. 27
e. 36
f. 63
g. 18
h. 81

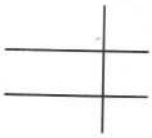
PROBLEM SET 40

1. 129 pages
2. 978
3. 485 < 690
4. 24, 32, 56
5. 6:06 a.m.
6. six hundred ninety-seven
7. 700 + 20 + 9
8. 70
9. 2 cm
10. T or L
11. 5
12. $\frac{7}{8}$
13. ×××××
×××××
×××××
×××××
×××××
14. odd
15. 125
16. 54
17. 72
18. 36
19. 27
20. 223
21. 33
22. 657
23. 167
24. 825
25. =
26. 103 less
27. 36 greater
28. 7 × 6
29. 569
30. 60

PRACTICE

a. nine hundred seven thousand, four hundred eleven
b. two hundred twenty-three thousand, five hundred twelve
c. fourteen thousand, five hundred eighteen

PROBLEM SET 41

1. 173 more goldfish
2. 212
3. 61 more elves
4. 800,000 + 60,000 + 3000 + 400 + 20 + 5; eight hundred sixty-three thousand, four hundred twenty-five
5. 

6. 8 p.m.
7. $\frac{5}{18}$
8. 5×9
9. $110 = 110$
10. 4276
11. 2260
12. 40
13. 64
14. 27
15. 36
16. 469
17. 863
18. 711
19. 218
20. 757
21. 333
22. 91
23. 48
24. 614
25. 284
26. 949
27. four hundred sixteen thousand, eight hundred three
28. six hundred seven thousand, fifty-one
29. 119
30. 76

PRACTICE

a. 121,340
b. 12,507
c. 5,075
d. 82,500
e. 750,000
f. 2001

PROBLEM SET 42

1. 441 greater
2. 297 fewer green ones
3. 88 more red ones
4. 700,000 + 20,000 + 5000 + 400 + 60 + 3
5.

6. 8:50 p.m.
7. $\frac{4}{11}$
8. 5×8
9. $80 > 60$
10. 265
11. 2140
12. 81
13. 35
14. 36
15. 16
16. 267
17. 855
18. 125
19. 386
20. 209
21. 777
22. 54
23. 525
24. 185
25. 427
26. four hundred seventeen thousand, five hundred twenty-six
27. ninety thousand, five hundred twenty-one
28. three hundred sixty-five thousand, one hundred twenty-three
29. 940,010

PRACTICE

a. $2\frac{1}{2}$
b. $3\frac{1}{3}$
c. $1\frac{3}{4}$
d. $3\frac{1}{6}$

PROBLEM SET 43

1. 29 more birds
2. 123 students
3. 202 in all
4. $2\frac{2}{3}$
5. 500,000 + 6000 + 100 + 40 + 8; five hundred six thousand, one hundred forty-eight
6. N
7. 4 p.m.
8. 8×4
9. $180 < 190$
10. 6573
11. 575
12. 63
13. 54
14. 42
15. 36
16. 387
17. 746
18. 226
19. 1547
20. 234
21. 128
22. 576
23. 33
24. 392
25. 381
26. 259
27. 91
28. four hundred three thousand, seven hundred five
29. twenty-one thousand, seven
30. 907,070

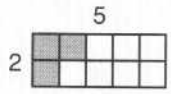
PRACTICE

a. 17¢
b. 5¢
c. 460¢
d. $1.95
e. $0.08
f. $0.30
g. $0.75; 75¢
h. seventy-seven cents
i. twelve dollars and twenty-five cents
j. twenty dollars and five cents

PROBLEM SET 44

1. 885 more
2. 275 fewer
3. $4.65; 465¢
4. 38°
5. (c)
6. $3\frac{2}{3}$
7. $160 > 150$
8. 200,000 + 50,000 + 500 + 10 + 6; two hundred fifty thousand, five hundred sixteen
9. 11:45 p.m.

10. 8465
11. 4200
12. one dollar and forty-three cents; 143¢
13. 54
14. 36
15. 72
16. 27
17. 348
18. 277
19. 188
20. 576
21. 178
22. 318
23. 169
24. 71
25. 253
26. 218
27.



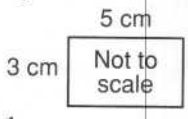
28. 427,502
29. 191
30. 233

PRACTICE

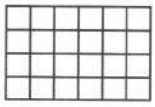
a. $\frac{3}{4}$
b. $2\frac{1}{4}$
c. $\frac{2}{3}$
d. $2\frac{1}{3}$
e. $26\frac{3}{7}$
f. $1\frac{1}{4}$

PROBLEM SET 45

1. 288 more petunia blossoms
2. 187 pigs
3. 475,342
4. \$7.65; 765¢
5. $11\frac{3}{8}$
6.



7. $5\frac{1}{2}$
8. 520 = 520
9. 200,000 + 50,000 + 7000 + 20 + 6; two hundred fifty-seven thousand, twenty-six
10. 7:05 a.m.
11. (a) \$1.47; 147¢
(b) \$0.07; 7¢
12.



13. 63
14. 54
15. 36
16. 81
17. 248
18. 787
19. 179
20. 235
21. 568
22. 378
23. 58
24. 562
25. 402,717
26. 51
27. 26
28. 16
29. 141
30. 468

PROBLEM SET 46

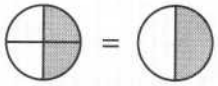
1. 185 toys
2. 575,542
3. 400,000 + 70,000 + 2000 + 500 + 3; four hundred seventy-two thousand, five hundred three
4. 486 girls
5. $8\frac{3}{4}$
6. Main St.
7. $2\frac{1}{8}$
8. 620 < 630
9. 12:40 p.m.
10. (a) \$12.56 (b) \$0.04
(c) \$0.48
11.

12.

13. 28
14. 32
15. 24
16. 56
17. 469
18. 811
19. 667
20. 727
21. 752
22. 343
23. 803
24. 117
25. 541
26. 75
27. 213
28. 540,710
29. 42,007

PRACTICE

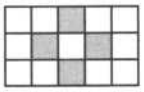
a.



b. $\frac{3}{4}$ in.
c. $1\frac{1}{2}$ in.
d. $2\frac{1}{4}$ in.
e. $3\frac{3}{4}$ in.

PROBLEM SET 47

1. 23 years older
2. 468,502 boxes
3. 400,000 + 80,000 + 3000 + 900 + 5; four hundred eighty-three thousand, nine hundred five
4. odd
5. one hundred two and one-half
6. ten-thousands' place
7. 786 > 768
8. \$2.60; 260¢
9. 10:37 a.m.
10. 1000 meters
11. $2\frac{2}{3}$ circles

12. $1\frac{1}{4}$ in.
13. 72
14. 42
15. 48
16. 24
17. 21
18. 733
19. 239
20. 971
21. 215
22. 52
23. 64
24. 202
25. 396
26. 62
27. 
28. 185
29. seven hundred two thousand, five hundred two
30. 540,755

PRACTICE

a. 9 one-foot rulers
b. 5280 ft
c. 36 in.

PROBLEM SET 48

1. 654
2. 325 eggs
3. 9 years old
4. 32, 48, 56
5. twenty-three and two-thirds
6. 200
7. 800,000 + 9000 + 700 + 40 + 2; eight hundred nine thousand, seven hundred forty-two
8. 118 < 180
9. 130
10. $1.05; one dollar and five cents
11. $1\frac{1}{2}$ in.
12.
13. 36 in.
14. >
15. 21
16. 24
17. 42
18. 56
19. 72
20. 295
21. 583
22. 177
23. 289
24. 950
25. 24
26. xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
27. 467
28. 365
29. 529
30. 88

PRACTICE

a. 9 cm
b. 6 cm

PROBLEM SET 49

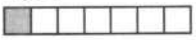
1. 87 fewer fish
2. 24 inches
3. 184 postcards
4. 400,000 + 10,000 + 6000 + 500 + 20 + 8; four hundred sixteen thousand, five hundred twenty-eight
5. 1460 < 1640
6. $3.70; three dollars and seventy cents
7. $0.70; 70¢
8. $4\frac{1}{2}$
9. $1\frac{1}{2}$ in.
10. 7 cm
11. 12:00 midnight
12. 294 < 302
13.

14. 63
15. 21
16. 48
17. 36
18. 32
19. 237
20. 1263
21. 318
22. 185
23. 286
24. 17
25. xxxxxxx
xxxxxxx
xxxxxxx
26. 415,007
27. 41
28. 70
29. 191
30. 43

PRACTICE

a. 168
b. 249
c. 99
d. 314
e. 184
f. 505

PROBLEM SET 50

1. 496 more birds
2. $0.36
3. 290 miles
4. 765
5. 594 > 549
6. 5:37 a.m.
7. 400,000 + 20,000 + 7000 + 900 + 40 + 8; four hundred twenty-seven thousand, nine hundred forty-eight
8. 
9. 4076
10. Z
11. 6 cm
12. $1\frac{3}{4}$ in.
13. 56
14. 54
15. 64
16. 42
17. 72
18. 227
19. 225

33

20. 282
21. 189
22. 866
23. 823
24. 113
25. 700,017
26. 97
27. 147
28. 101
29. 268
30. 141

PRACTICE

a. 800
b. 700
c. 400
d. 600
e. 365
f. 102
g. 1180

PROBLEM SET 51

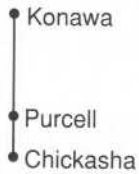
1. 150
2. 29 grapes
3. 225 km
4. 6:42 p.m.
5. 900,000 + 80,000 + 2000 + 400 + 7; nine hundred eighty-two thousand, four hundred seven
6. 700 > 600
7. $3\frac{3}{4}$ squares
8. $1\frac{1}{4}$ in.
9. 5 cm
10. perpendicular
11. 1425
12. 847
13. 48
14. 49
15. 72
16. 42
17. 169
18. 178
19. 289
20. 727
21. 988
22. 1032
23. 1
24. XXXXXXXX
    XXXXXXXX
    XXXXXXXX
    XXXXXXXX
    XXXXXXXX
    XXXXXXXX
25. (a) \$0.77 (b) \$0.08 (c) \$4.30
26. seven hundred three thousand, seven hundred forty-two
27. 902,507
28. 177
29. 297
30. 95

PRACTICE

a. \$11.32
b. \$1.50
c. \$1.10
d. 9¢
e. \$2.33
f. 71¢

PROBLEM SET 52

1. 65 pennies
2. 373 km
3. 65¢
4. 37 miles,



5. 800 > 600
6. 300,000 + 40,000 + 7000 + 200 + 80 + 4; three hundred forty-seven thousand, two hundred eighty-four
7. parallel
8.
9. 6:05 a.m.
10. 154
11. \$5.45
12. \$0.78
13. \$3.66
14. \$5.22
15. 34¢
16. 51
17. 630
18. 1443
19. 177
20. 488
21. 48
22. 12
23. 63
24. 24
25. 20
26. 111
27. 402,502
28. 100
29. 113
30. 254

PRACTICE

a. 62
b. 124
c. 168
d. 60
e. 120
f. 0

PROBLEM SET 53

1. 42,376 > 42,011
2. 253 more pine cones
3. \$1.75
4. 1780 yards > 1 mile
5. 400,000 + 10,000 + 5000 + 700 + 8; four hundred fifteen thousand, seven hundred eight
6. 4 cm
7. $3\frac{1}{3}$ circles
8. $2\frac{1}{4}$ in.
9. =
10. \$2.35
11. \$9.61
12. \$2.76
13. \$6.49
14. 126
15. 280
16. 146
17. 306
18. \$2.68
19. \$4.85
20. 703
21. 109
22. 319
23. 718
24. 162

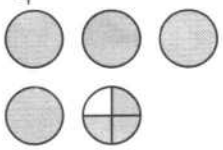
34

25. 6×21
26. nine hundred three thousand, seven hundred forty-two
27. eight hundred fifteen thousand, two
28. 742,915
29. 405
30. 165

PRACTICE

a. 2
b. 6
c. 6
d. 0
e. 16
f. 36

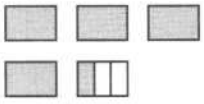
PROBLEM SET 54

1. 318
2. 266 more
3. 130 miles higher
4. \$2.15 change
5. 4765
6. $516 < 560$
7. 5:30 a.m.
8. 400,000 + 70,000 + 2000 + 800 + 50 + 6; four hundred seventy-two thousand, eight hundred fifty-six
9. $2\frac{1}{4}$
10.

11. $1\frac{3}{4}$ in.
12. 5 cm
13. 56
14. 35
15. \$1.81
16. \$2.55
17. \$2.86
18. \$9.06
19. 126
20. 166
21. 160
22. 246
23. \$2.49
24. \$5.49
25. 53
26. 4×40
27. 3 less
28. nine hundred six thousand, four hundred thirteen
29. 514,987
30. 705,202

PRACTICE

a. 6
b. 7
c. 5
d. 6
e. 7
f. 4
g. 6
h. 4

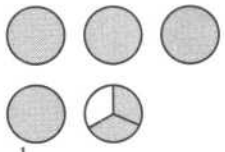
PROBLEM SET 55

1. 267
2. 217 fewer fish
3. 252 bales
4. 8731
5.

6. 200,000 + 5000 + 700 + 80 + 2; two hundred five thousand, seven hundred eighty-two
7. 9:18 p.m.
8. $1\frac{1}{4}$ in.
9. 24 m
10. $10\frac{5}{6}$
11. 100
12. \$9.64
13. \$1.55
14. \$2.59
15. 492
16. 715
17. 126
18. 405
19. 128
20. 5
21. 3
22. 7
23. 9
24. 4
25. 5
26. 6
27. 3
28. 8
29. 9
30. 7

PRACTICE

a. 7
b. 5
c. 5
d. 6
e. 4
f. 9
g. $9\sqrt{27}$
h. $7\sqrt{28}$

PROBLEM SET 56

1. 27,433; 20,000 + 7000 + 400 + 30 + 3
2. 264 more times
3. 161
4. 8516
5.

6. $1\frac{1}{2}$ in.
7. 7:00 p.m.
8.

9. 9 cm
10. 39
11. \$5.98
12. \$1.82
13. \$4.88
14. 627
15. 809
16. 129
17. 255
18. 168
19. 0
20. 4
21. 9
22. 5
23. 4
24. 7
25. 6

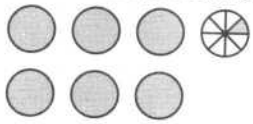
35

26. 6
27. 9
28. 3 less
29. nine hundred twelve thousand, fifty-two
30. 615,903

PRACTICE

a. 64
b. 72
c. 270
d. 371
e. 280
f. 576
g. 6
h. 3
i. 6

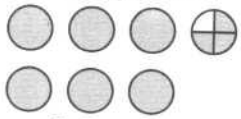
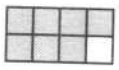
PROBLEM SET 57

1. 237 less
2. 325 fewer birds
3. 203
4. 8163
5. 300,000 + 6000 + 20; three hundred six thousand, twenty
6. 
7. 5280 feet; 1760 yards
8. $10\frac{3}{4}$
9. 100 cm; 1000 m
10. $14\frac{5}{9}$
11. 81
12. $6.62
13. 189
14. 198
15. 120
16. 114
17. 294
18. $2.78
19. $7.61
20. $1.59
21. 262
22. 239
23. 629
24. 318
25. 4
26. 5
27. 9
28. 9
29. 4
30. 7

PRACTICE

a. 48 birds
b. 54 people
c. 5 people

PROBLEM SET 58

1. 32 boys
2. 7 girls
3. 282 came at noon
4. 364 more pounds
5. 
6. $452\frac{5}{7}$
7. 3:57 a.m.
8. 
9. 349,811
10. 4 less
11. $10.92
12. $0.79
13. $8.74
14. 222
15. 971
16. 263
17. 56
18. 5
19. 3
20. 660
21. 764
22. 270
23. 161
24. 272
25. 415
26. 576
27. 8
28. 8
29. 5
30. 5

PRACTICE

a. 12 cm
b. 26 m
c. 22 in.
d. 12 cm
e. measure around

PROBLEM SET 59

1. 36 people
2. $7.40
3. 203 more sit-ups
4. 7 players
5. 300 yd
6.
7. 4213
8. 3 less
9. 8:05 a.m.
10. $72\frac{3}{4}$
11. 223
12. $7.75
13. 258
14. 432
15. 111
16. 184
17. 300
18. 435
19. 468
20. 9
21. 4
22. $1.79
23. $2.77
24. 127
25. 820
26. 763
27. 67
28. 8
29. 6
30. 6
31. 4

PRACTICE

a. 10,000
b. 85,709
c. 457,041
d. 6238
e. 51,491
f. 7
g. 6
h. 8

PROBLEM SET 60

1. 7 players
2. 6 stacks
3. 1475 total
4. 159 more
5. 400,000 + 70,000 + 6000 + 30 + 2; four hundred seventy-six thousand, thirty-two
6. 4231
7. $3\frac{3}{8}$ circles
8. (d)
9. (a) 4 ft (b) 2 ft (c) 12 ft
10. 2 more
11. 8711
12. 160,927
13. $0.19
14. 216
15. 276
16. 425
17. 259
18. 384
19. 9
20. 51,681
21. 502,314
22. 741
23. 275
24. <
25. 9
26. 3
27. 7
28. four hundred sixteen thousand, seven
29. 282
30. 140

PRACTICE

a. 2286
b. 3473

PROBLEM SET 61

1. 480 students
2. 7 vans
3. 8 eggs
4. 7 swimmers
5. 198 fewer apples
6. 185
7. 800,000 + 10,000 + 3000 + 700 + 20 + 4; eight hundred thirteen thousand, seven hundred twenty-four
8. 2570
9.
10. 65 m
11. 1537
12. 48,274
13. 71,077
14. $1.74
15. 346
16. 294
17. 420
18. 608
19. 315
20. 301
21. 23,779
22. 144
23. 1532
24. (a) $0.54 (b) $0.06 (c) $3.40
25. 1 more
26. >
27. 9
28. 4
29. 9
30. 9

PRACTICE

a. 5 r 2
b. 2 r 2
c. 5 r 3
d. 7 r 1
e. 3 r 2
f. 8 r 1

PROBLEM SET 62

1. 7 piles
2. 6 children
3. 63,343 greater
4. 1989
5. 400,000 + 10,000 + 6000 + 20; four hundred sixteen thousand, twenty
6. 4700 + 4600 = 9300
7. 4826
8. 16 ft
9. $4\frac{1}{8}$ circles
10. 61
11. $19.26
12. $40.12
13. 3943
14. 540
15. 228
16. 6 r 1
17. 4 r 2
18. 266
19. 4 r 2
20. 368
21. 6 r 3
22. 567
23. 117
24. 138,892
25. 1556
26. nine hundred thirteen thousand, fifty-two
27. eighty-seven thousand, nine hundred six
28. 658
29. 598
30. 786

PRACTICE

a. 366 days
b. May 23
c. 25

PROBLEM SET 63

1. 8 rows
2. 294 nails
3. 7453 more
4. 300,000 + 10,000 + 8000 + 700 + 80 + 5; three hundred eighteen thousand, seven hundred eighty-five
5. Wednesday
6. 6500 > 5600
7. 60 kilometers;

8. $3\frac{2}{3}$ circles
9. $486\frac{4}{5}$
10. $1.37
11. 804,013
12. 88,143

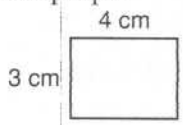
13. 1304
14. $1.53
15. 11,897
16. 322
17. 432
18. 351
19. 348
20. 120
21. 7 r 1
22. 6 r 1
23. 7 r 1
24. 5 r 2
25. 8
26. 7
27. 442,976
28. 33
29. 119
30. 510

PRACTICE

a. 6, 12, 18, 24, 30
b. 27, 36, 45
c. 56

PROBLEM SET 64

1. $2.60
2. 1993 people
3. 296 people
4. 18,528 more people
5. 14 cm;



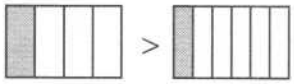
6. 10
7. 200,000 + 20,000 + 500; two hundred twenty thousand, five hundred
8. 3:09 p.m.
9. 13 years
10. 5 cm
11. 178
12. 282
13. 2223
14. $18.17
15. 320
16. 420
17. 356
18. 441
19. 2533
20. 1 r 7
21. 6 r 2
22. 9
23. 5 r 3
24. 6 r 2
25. 7 r 3
26. 70,702
27. 3
28. 4
29. 5
30. 5

PRACTICE

a. <
b. >
c. <

PROBLEM SET 65

1. 8 trays
2. 333 birds
3. 410 rabbits
4. 600,000 + 10,000 + 4000 + 800 + 20 + 3; six hundred fourteen thousand, eight hundred twenty-three
5. January, March, May, July, August, October, December; 28, leap year, 29
6. 33
7. >;



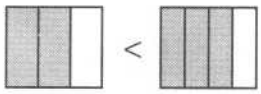
8. 500 + 300 = 800
9. 22 miles
10. 46,042
11. 95,734
12. 1615
13. $4.54
14. 20,485
15. 448
16. 657
17. 322
18. 504
19. 200
20. 11 r 1
21. 6 r 6
22. 0
23. 3 r 4
24. 6 r 6
25. 9
26. 9
27. 123
28. 1459
29. 9
30. 7

PRACTICE

a. 330 miles
b. 140 laps

PROBLEM SET 66

1. 336 times
2. 21 miles
3. 2958
4. 400,000 + 70,000 + 2000 + 800 + 40 + 6; four hundred seventy-two thousand, eight hundred forty-six
5. 7400 + 6500 = 13,900
6. 600 − 18 = 582
7. 9:00 a.m.
8. 24 + 42 = 66
9. 308 years
10. 28 inches
11. 162,621
12. 774,842
13. 2208
14. 33,585
15. 689
16. 465
17. 504
18. 539
19. 640
20. 846
21. 7 r 1
22. 9 r 2
23. 7 r 3
24. 7 r 2
25. 6
26. 6
27. <;



28. 5
29. 6
30. 11

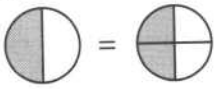
PRACTICE

a. 702
b. 1360

38

c. 2030
d. 1884
e. 2088

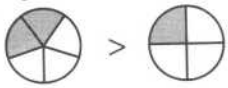
PROBLEM SET 67

1. 36 dollars
2. 20 apples
3. 10 p.m.
4. 585
5. 700,000 + 90,000 + 8000 + 400 + 2; seven hundred ninety-eight thousand, four hundred two
6. 28 + 18 = 46
7. September 9
8. 18
9. 26 ft
10. =; 
11. $7\frac{7}{10}$
12. 7 hours and 30 minutes
13. $20.01
14. 948
15. $12.71
16. 4784
17. 2304
18. 1120
19. 184
20. 7 r 1
21. 6 r 3
22. 8 r 3
23. 5 r 2
24. 8 r 1
25. 7 r 1
26. 6
27. 9
28. 6
29. 260
30. 491

PRACTICE

a. 400 + 50 + 15 = 465
b. 14
c. 12

PROBLEM SET 68

1. 294 apples
2. 8 boxes
3. 4647 ducks
4. 1955 geese
5. 112,069 greater
6. 40 + 21 + 200 = 261
7. 209 years
8. 9:08 p.m
9. >; 
10. 200 packages
11. 10
12. 10 miles;

13. $83.70
14. 120,653
15. 3118
16. $7.13
17. 16,933
18. 1932
19. 1440
20. 1656
21. 5 r 3
22. 8 r 3
23. 6 r 1
24. 7 r 1
25. 5 r 2
26. 6 r 1
27. 8
28. 5
29. 4
30. 606

PRACTICE

a. 208; 60 + 70 + 80 = 210
b. 1498; 600 + 900 = 1500
c. 291; 600 − 300 = 300
d. 43; 80 − 40 = 40
e. 354; 60 × 6 = 360
f. 1588; 400 × 4 = 1600
g. 5 pencils per minute

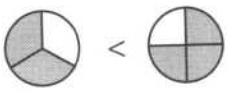
PROBLEM SET 69

1. 28,540 birds
2. 3008 birds
3. 12 burritos
4. 12 tacos
5. 300 + 400 = 700
6. 400 + 70 + 84 = 554
7. 300,635
8. 10 hours, 5 minutes
9. 0
10. 29 greater
11. 3 cm
12. <
13. $26.16
14. 17,486
15. $0.83
16. 16,924
17. 1750
18. 1428
19. 2778
20. 9 r 1
21. 6 r 3
22. 9 r 1
23. 3 r 1
24. 9 r 3
25. 6 r 6
26. 30
27. 280
28. 714
29. 3
30. 3

PRACTICE

a. $\frac{5}{6}$
b. $\frac{2}{5}$

PROBLEM SET 70

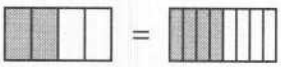
1. 828 less
2. 175 little people
3. 32 spaces
4. 13 quarts
5. 95 pounds
6. $\frac{7}{10}$
7. $\frac{5}{6}$
8. <; 
9. 500 + 400 = 900
10. September, April, June, November
11. 24 cm
12. $80.06
13. 685
14. 2764
15. 901
16. 286,057
17. 2680

18. 4218
19. 3114
20. 7 r 4
21. 5 r 4
22. 9 r 3
23. 5 r 1
24. 4 r 2
25. 4 r 4
26. 6
27. 8
28. 5
29. 94
30. 85

PRACTICE

a. 24
b. 48
c. 120
d. 27

PROBLEM SET 71

1. 6 peahens
2. 5:40 p.m.
3. $3.14
4. $156
5. $\frac{1}{3}$
6. 600
7. 1
8. =; 
9. 882
10. Friday
11. 213,802
12. 210
13. 64
14. 735,903
15. $2.16
16. 65,013
17. 3336
18. 3290
19. 2432
20. 7 r 1
21. 8 r 1
22. 5 r 4
23. 9 r 2
24. 5 r 4
25. 7 r 2
26. 9
27. 18,205
28. 94
29. 189
30. 1702

PRACTICE

a.
b.
c.
d.
e.

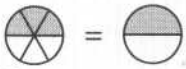
PROBLEM SET 72

1. 5 yards
2. 37,337 points
3. $1.94
4. 60
5. 1300
6. 8
7. $6\frac{5}{8}$
8. $\frac{5}{12}$ left
9. 5
10. 688
11. (a) hexagon (b) 6 cm
12. 7 flowers
13. 55 flowers
14. 105
15. 125
16. 6928
17. $37.57
18. 15,752
19. 2792
20. 5320
21. 5 r 4
22. 7 r 6
23. 4 r 4
24. 5 r 4
25. 8 r 1
26. 5 r 2
27. 7
28. 4
29. 239
30. 247

PRACTICE

a. 17
b. 13
c. 15
d. 24
e. 24
f. 37

PROBLEM SET 73

1. 4242 times
2. 339 feet
3. 116 more cards
4. 3 weeks
5. 56 sides
6. $1\frac{3}{4}$
7. 400,000 + 6000 + 900 + 10 + 2; four hundred six thousand, nine hundred twelve
8. 48 inches
9. 1400
10. =; 
11. 3718 greater
12. 65 birds
13. 3 jobs per minute
14. $100.01
15. 82,663
16. 5988
17. 43,388
18. 34,078
19. 1285
20. 2127
21. 3006
22. 23
23. 9 r 4
24. 18
25. 15
26. 28
27. 2
28. 9
29. 421
30. 156

PRACTICE

a. 48
b. 36
c. 24
d. 45

e. 65
f. 25

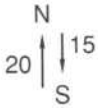
PROBLEM SET 74

1. 8 omelets
2. 45 fled
3. 36 months
4. 30 miles
5. 4 miles
6. $44.80
7. $\frac{5}{6}$
8. 6 cm
9. 14 hours, 20 minutes
10. 500
11. 6 cm
12. 87,085 greater
13. <; 1 < 9
14. $106.05
15. 874,316
16. 14,548
17. $5.22
18. 14,756
19. 2520
20. 2256
21. 1824
22. 34
23. 66
24. 32
25. 56
26. 54
27. 6
28. 8
29. 14
30. 575

PRACTICE

a. 44 r 2
b. 34 r 2
c. 17 r 3
d. 32 r 3
e. 23 r 3
f. 54 r 1

PROBLEM SET 75

1. 20 apple halves
2. 47 red beads
3. 515,730
4. 5 kilometers; 

5. 2:15 p.m.
6. 450
7. 240 miles
8. $\frac{5}{7}$
9. 34
10. 378 glops
11. >;
12. 194,373
13. 3728
14. $9.90
15. 37,029
16. 240
17. 3402
18. 2456
19. 4140
20. 76 r 1
21. 44 r 1
22. 14 r 3
23. 46 r 2
24. 12 r 6
25. 48 r 1
26. (a) $0.17 (b) $0.08 (c) $3.45
27. 20
28. 3039
29. 6
30. 358

PRACTICE

a. $3.75
b. $8.60
c. $2.10
d. $6.00
e. $14.85
f. $1.95

PROBLEM SET 76

1. 183,428 greater
2. 25 beans per pot
3. 2658 people
4. 12 sandwiches
5. 12 hours, 5 minutes
6. 60,000
7. $\frac{3}{5}$
8. July 27, 2019
9. $7\frac{5}{13}$
10. 320
11. >; 8 > 6
12. $23.03
13. 1962
14. 17.19
15. 50,619
16. 2863
17. $17.30
18. $4.74
19. $3.12
20. 15
21. 23 r 3
22. 44 r 4
23. 18 r 4
24. 78
25. 62 r 1
26. 10
27. 16
28. 292
29. 2828
30. 395

PRACTICE

a. 750
b. 320
c. 520
d. 4920
e. 2250
f. 2120
g. $15.30
h. $49.60

PROBLEM SET 77

1. 85,702 more
2. 160 spoonfuls
3. 24,458 greater
4. $\frac{2}{5}$
5. 13 sides
6. $7\frac{2}{5}$
7. 4392 feet
8. 15 hours, 50 minutes
9. 5 prizes per minute
10. 1600
11. $21.70
12. 9670
13. $8.51
14. 6709
15. $3.44

16. $15.25
17. $18.41
18. 1410
19. 2340
20. 3400
21. 19 r 1
22. 22 r 2
23. 82
24. 35 r 5
25. 39
26. 24 r 3
27. 11
28. 2
29. 40
30. 1003

PRACTICE

a. 10 dimes
b. 27 mm
c. 40 mm

PROBLEM SET 78

1. 239,275
2. 124 more cards
3. 1260 students
4. 260
5.
6. (a) 4 cm (b) 40 mm
7. 700,000 + 50,000 + 1000 + 300 + 10 + 8; seven hundred fifty-one thousand, three hundred eighteen
8. 12 feet
9. 1500
10. 45 mm
11. 25 miles
12. 147 miles
13. $123.45
14. 43,411
15. 2417
16. $8.27
17. 9,090
18. 4680
19. $41.67
20. $23.20
21. 82
22. 53 r 4
23. 64
24. 32
25. 41 r 4
26. 11 r 1
27. 10
28. 15
29. 24
30. 33,429

PRACTICE

a. 20
b. 30
c. 15
d. 12

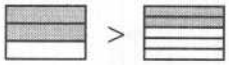
PROBLEM SET 79

1. 699,038
2. 22 empty seats
3. 51 surf riders
4. $6.25
5. 2835 pages
6. 161 pages
7. 37 seeds
8. 10
9. 2340 buttons per hour
10. 40 buttons per minute
11. (a) 1 cm (b) 10 mm
12. 400
13. 75 mm
14. $18.27
15. 1499
16. $40.53
17. 18,512
18. 70
19. $65.20
20. 2340
21. $17.92
22. 29 r 2
23. 26
24. 14 r 5
25. 34 r 5
26. 71
27. 24
28. 24 r 4
29. 12
30. 30

PRACTICE

a. 40
b. 60
c. 30 r 2
d. 30 r 1
e. 30 r 1
f. 20 r 1

PROBLEM SET 80

1. 34,207 larger
2. 169 people
3. 575 chocolate chips
4. 60 spaces per minute
5. $1
6. 70 students
7. 280
8. 560
9. (a) 3 cm (b) 30 mm
10. 11:57 a.m.
11. >; 
12. 648 spaces
13. $912.18
14. 458,271
15. 2627
16. $0.61
17. 59,892
18. 4256
19. 3440
20. $4.72
21. 60
22. 30 r 1
23. 64 r 3
24. 30 r 4
25. 11
26. 16
27. 69 r 3
28. 60 r 3
29. 11
30. 15

PRACTICE

a. 7 hours
b. $12
c. $28

PROBLEM SET 81

1. 1521 maidens
2. 180 miles
3. 20 pounds
4. 4:45 p.m.
5. 12 points
6. 695,963 more
7. 5 cm
8. ~~Tuesday~~ Wednesday

9. 700,000 + 40,000 + 6000 + 300 + 50 + 7; seven hundred forty-six thousand, three hundred fifty-seven
10. 400 centimeters
11. $13.37
12. 4469
13. $1.37
14. 338,251
15. 100
16. 25,130
17. 3700
18. 80 r 1
19. 80
20. 51 r 3
21. 72
22. 39 r 3
23. 68 r 2
24. 42
25. 54
26. 24
27. 199
28. 13
29. 24
30. 1380

PRACTICE

a. 4
b. 32 ounces
c. 3000 milliliters
d. 8 oz
e. 350 mL

PROBLEM SET 82

1. 6 cars
2. $150
3. $1.75
4. 10 a.m.
5. 24 pencils
6. 15
7. 4 bottles
8. 60 mm
9. 1080 feet
10. 2000
11. 350
12. 801
13. 251,546
14. 2078
15. $68.47
16. 214,390
17. 2422
18. 2880
19. $4.72
20. 90 r 3
21. 19 r 3
22. 50
23. 54 r 5
24. 68 r 2
25. 30 r 7
26. 3
27. 18
28. 20
29. 27
30. 195

PRACTICE

a. $\frac{5}{12}$
b. $\frac{6}{7}$
c. $\frac{13}{27}$
d. $\frac{4}{7}$

PROBLEM SET 83

1. 93 crawfish
2. 1089 feet
3. 100 squares
4. 24 books
5. 390 fans
6. 5000, 6000, 7000
7. $\frac{4}{7}$
8. 2000 milliliters
9. 900
10. 20 in.
11. 40,000 + 7000 + 300 + 10; forty-seven thousand, three hundred ten
12. $4.38
13. 6592
14. 257
15. 34,701
16. 512
17. $21.24
18. 4560
19. 6336
20. 39 r 3
21. 40 r 5
22. 87 r 4
23. 85 r 5
24. 90 r 1
25. 98
26. 10
27. 12
28. 20
29. 256
30. 852

PRACTICE

a. 22 gummy bears
b. orange and yellow
c. red, orange, and white

PROBLEM SET 84

1. $2.36
2. 32,630 people
3. 78 books
4. 11 hours, 15 minutes
5. $201\frac{4}{9}$
6. 800
7. $\frac{4}{9}$
8. 32 ounces
9. 900,000 + 10,000 + 4000 + 700 + 10 + 8; nine hundred fourteen thousand, seven hundred eighteen
10. 5 students
11. 12 students
12. $134.45
13. 542,140
14. 9555
15. $39.02
16. 7508
17. $55.60
18. 3220
19. 4140
20. 89 r 4
21. 80 r 1
22. 62
23. 30 r 5
24. 85 r 3
25. 89
26. 20
27. 30
28. 4
29. 11
30. 9

PRACTICE

a. divide, multiply, subtract, bring down
b. 243 r 2
c. 158 r 4
d. 252
e. 535
f. 625

PROBLEM SET 85

1. 4477
2. 40 pages
3. $11.97
4. 49 days
5. $\frac{2}{3}$
6. 2500
7. $\frac{3}{11}$
8. 5000 meters
9. 42
10. 60 mm
11. 46 mm
12. $4.31
13. 1756
14. $2.08
15. 35,635
16. 270
17. 3150
18. 2868
19. 145
20. 123 r 6
21. 273
22. 75 r 3
23. 135 r 3
24. 60 r 2
25. 20
26. 33
27. 12
28. 13
29. 9
30. 205

PROBLEM SET 86

1. 7 pints
2. juice
3. milk
4. 14 guests
5. b
6. 1500
7. $\frac{1}{7}$
8. 144 ounces
9. (a) 4 cm (b) 40 mm
10. 142,953
11. 72 inches
12. 16,664
13. 102,332
14. 7318
15. $13.68
16. 8,788
17. 4536
18. 2520
19. $8.32
20. 375
21. 155 r 3
22. 567 r 1
23. 90 r 2
24. 42
25. 137 r 1
26. 25
27. 20
28. 14
29. 677
30. 294

PRACTICE

a. 57 g
b. 6 kg
c. 7 kg
d. 7000 grams

PROBLEM SET 87

1. 1856 times
2. 19 pounds
3. 148 cans
4. 45 minutes
5. $\frac{3}{4}$
6. c
7. $\frac{3}{10}$
8. 3000 grams
9. 2800
10. 2:56 a.m.
11. <;
12. 10,862
13. $33.03
14. 19,867
15. $7.40
16. 2388
17. 2820
18. $50.00
19. 283 r 1
20. 576
21. 244 r 2
22. 194
23. 124
24. 70 r 1
25. 15
26. 12
27. 40
28. 18
29. 21
30. 19

PRACTICE

a. 2119 meters
b. 14,337 feet

PROBLEM SET 88

1. Denver and San Francisco
2. 13 inches
3. 48 inches
4. 12 eggs
5. a
6. 1700
7. $\frac{7}{10}$
8. 694,465
9. 1260 oranges
10. 29 boxes
11. 7
12. 294
13. 300
14. 196,333
15. $108.39
16. 7107
17. 414,272
18. $3.65
19. 1520
20. 7760
21. $60.41
22. 768
23. 875
24. 632 r 3
25. 188
26. 41

27. 46 r 2
28. 40
29. 3288
30. 5138

PRACTICE

a. divide, multiply, subtract, bring down
b. 203 r 3
c. 830 r 2
d. 905 r 2
e. 120 r 5

PROBLEM SET 89

1. 6792 more
2. 70 seconds
3. 380 pounds
4. 12 sticks
5. $\frac{4}{5}$
6. a
7. $\frac{7}{12}$
8. 1000
9. 1200
10. 60 mm
11. 3000 milliliters
12. 8 hours
13. 201,093
14. $64.09
15. 8595
16. 9,904
17. $17.30
18. 5436
19. 5220
20. $27.00
21. 206
22. 405 r 1
23. 992
24. 150
25. 90 r 3
26. 59
27. 9
28. 12
29. 11
30. 75

PRACTICE

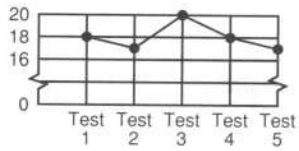
a. 5000
b. 5000
c. 8000
d. 8000

PROBLEM SET 90

1. 60 times
2. $2.04
3. 58
4. 28 students
5. 2000
6. $\frac{5}{7}$
7. 14,000 pounds
8. 15 mm
9. (a) 400 g (b) 10 liters
10. February 26, 2019
11. 7737 greater
12. 9 hours, 52 minutes
13. 25 packages
14. 3701
15. $6.83
16. 0
17. $48.90
18. 2680
19. 49,079
20. 608
21. 720 r 1
22. 567 r 1
23. 321
24. 50 r 4
25. 73
26. 50
27. 15
28. 184
29. 61
30. 97

PRACTICE

a. 3 answers
b. 2 questions
c. Test 5
d.



PROBLEM SET 91

1. 7 math books
2. 77 times
3. 20 yards
4. 4400 yards
5. $\frac{2}{3}$
6. 12,000
7. $\frac{2}{7}$
8. 500 grams
9. 25 pounds
10. 10 pounds
11. 400 buckets
12. 21 months
13. $156.50
14. $0.57
15. $111.19
16. 6994
17. 9600
18. .3255
19. $5.88
20. 140 r 3
21. 301 r 5
22. 400
23. 70 r 5
24. 75
25. 125
26. 50
27. 25
28. 8
29. 6
30. 5

PRACTICE

a. $1.55
b. $2.35
c. $1.12
d. $0.96
e. $2.20
f. $3.93

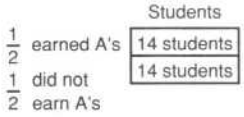
PROBLEM SET 92

1. 9600 coins
2. 2:10 p.m.
3. 77 pages
4. 14 points each
5. 4000
6. 231,768
7. $\frac{5}{28}$
8. 7 games
9. 4 points
10. 10 games
11. =

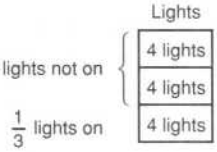
12. 39,451
13. 472,886
14. $41.29
15. 98,348
16. $37.92
17. 31,900
18. 4248
19. $36.54
20. 307
21. 135 r 3
22. 600 r 1
23. $2.52
24. $2.39
25. $5.75
26. 26
27. 100
28. 19
29. 8
30. 12

PRACTICE

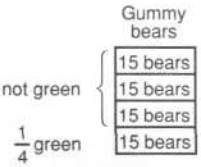
a.



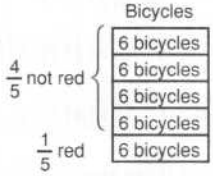
b.



c.

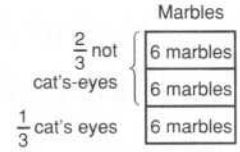


d.



PROBLEM SET 93

1. 90 days
2. 36 pieces of clothing
3. 11 chin-ups
4. 25 miles per gallon
5. 58
6. 𝍸 ////
7. 80 mm
8. 48
9.



10. 2856 peaches
11. 492 peaches
12. 243,637
13. $102.32
14. 330
15. 38,701
16. $21.66
17. 162
18. 1386
19. 1800
20. 3332
21. 131
22. 702 r 4
23. $5.26
24. $1.85
25. 262
26. 700 r 2
27. 17
28. 50
29. 80
30. 1287

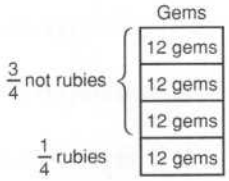
PRACTICE

a. 3650
b. 5200
c. 7000
d. 3600
e. 42,000
f. 250,000

PROBLEM SET 94

1. William
2. 4 more books
3. 1440 pages
4. 20 pentagons
5. 455,625 soldiers
6. 102
7. (b)
8.

9.



10. 15 hours, 15 minutes
11. 638,620
12. 477
13. 20,803
14. $15.25
15. 360
16. 4200
17. 27,000
18. 1268
19. 1030
20. 1480
21. 164
22. 172
23. $1.55
24. 21
25. $2.50
26. 578 r 3
27. 25
28. 50
29. 8
30. 7

PRACTICE

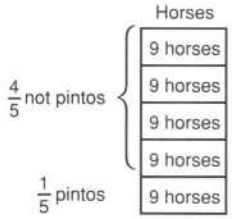
a. 5600
b. 2000
c. 24,000
d. 24,000

PROBLEM SET 95

1. 7:50 a.m.
2. 7 pounds
3. $4.57
4. 125
5. Sunday
6. 𝍸 𝍸 𝍸 //
7. 4000
8. 4000 pounds

46

9.



10. 1220
11. 7 laps
12. 210 laps
13. 107,289
14. $46.15
15. 293
16. 13,792
17. $16.55
18. 3332
19. 4020
20. 2300
21. 1800
22. 14,000
23. $2.09
24. 117 r 1
25. 55 r 3
26. 125
27. 541 r 6
28. 685
29. 30
30. 70

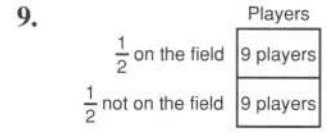
PRACTICE

a. 736
b. 768
c. 516
d. 714
e. 1024
f. 322
g. 416
h. 1089

PROBLEM SET 96

1. 12 miles
2. 5 p.m.
3. 4 fish
4. 22 horses
5. 8000
6. 14
7. 100 cm
8. $3\frac{1}{2}$ in.

9.



10. 1104
11. $101.53
12. 7175
13. $19.80
14. 651
15. 992
16. 448
17. 121
18. 168
19. 24,000
20. 142 r 6
21. 159
22. 507
23. $7.20
24. 179
25. 44
26. 28
27. 48
28. 42
29. 179
30. 1121

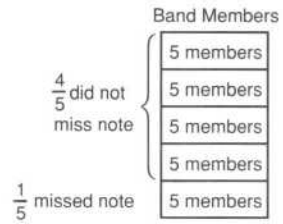
PRACTICE

a. 6 cars
b. 7 cars
c. 7 stacks
d. 3 extra quarters
e. 8 stacks

PROBLEM SET 97

1. (a) 16 packages
(b) 4 ping-pong balls
2. 198
3. 171 kilometers
4. 2 feet
5. 40 mm; 4 cm
6. 3
7. 12:23 p.m.
8. 200,000 + 10,000 + 7000 + 500 + 20 + 8; two hundred seventeen thousand, five hundred twenty-eight

9.



10. 173,278
11. $26.57
12. 8818
13. $8.24
14. 28,000
15. 169
16. 132
17. $78.03
18. 961
19. 496
20. 506
21. $5.50
22. 620 r 5
23. 96 r 2
24. 412 r 6
25. 866 r 2
26. 16
27. 14
28. 19
29. 250
30. 857

PRACTICE

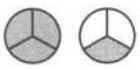
a.

$1\frac{3}{4} = \frac{7}{4}$

b.

$2\frac{1}{2} = \frac{5}{2}$

c.



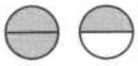
$1\frac{1}{3} = \frac{4}{3}$

PROBLEM SET 98

1. (a) 3 teams (b) 1 team
2. $1.05
3. 280 pages
4. 9 yards
5. 7 cm

6. 18
7. (a)
8. 1
9.

	Students
$\frac{2}{3}$ did not finish early	8 students
	8 students
$\frac{1}{3}$ finished early	8 students

10. 45,435
11. $511.10
12. 7,604
13. $35.62
14. 6300
15. 143
16. 144
17. $38.08
18. 273
19. 357
20. 750
21. 127
22. 60 r 6
23. 451 r 6
24. 456
25. $2.50
26. 

$1\frac{1}{2} = \frac{3}{2}$

27. 797
28. 161
29. 16
30. 321

PRACTICE

a. 988
b. 4018
c. 5628
d. 3120
e. 1152
f. 5063
g. 3600

PROBLEM SET 99

1. 4 baskets
2. 14 points
3. 2 points
4. $0.48
5. 840
6. 200,898
7. 3 inches
8. 1000 dollar bills
9.

	Clowns
$\frac{3}{4}$ no red noses	16 clowns
	16 clowns
	16 clowns
$\frac{1}{4}$ red noses	16 clowns

10. 4:57 a.m.
11. 336 big fish
12. 143 birds
13. 90,025
14. $143.79
15. 536
16. 88,604
17. $16.35
18. 4700
19. 42,000
20. 1312
21. 1376
22. 875
23. 863 r 2
24. $5.50
25. 660 r 3
26. 142
27. 631
28. 509 r 2
29.

$2\frac{1}{2} = \frac{5}{2}$

30. 35

PRACTICE

a. $\frac{1}{10}$
b. 0.1
c. $\frac{9}{10}$
d. 0.9
e. $\frac{3}{10}$
f. 0.4
g. $\frac{7}{10}$, 0.7

PROBLEM SET 100

1. $1.32
2. (a) 3 stacks (b) 1 stack
3. 48¢
4. 60 words
5. 8000
6.
7. (a) $\frac{7}{10}$ (b) 0.7
8.

	Crayons
$\frac{5}{6}$ not broken	8 crayons
	8 crayons
	8 crayons
	8 crayons
	8 crayons
$\frac{1}{6}$ broken	8 crayons

9. 33 mm
10. 52,834
11. $248.50
12. 29,463
13. $9.87
14. $48.64
15. 1128
16. 2232
17. 1590
18. 2331
19. 3200
20. 864
21. 864
22. $7.20
23. 80 r 3
24. 765
25. 326 r 5
26.

$1\frac{1}{4} = \frac{5}{4}$

27. 4187
28. 27
29. 15
30. 8

PRACTICE

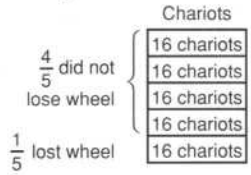
a. $\frac{37}{100}$
b. $\frac{7}{100}$
c. $\frac{99}{100}$
d. $\frac{3}{100}$
e. 0.61
f. 0.09
g. 0.25

48

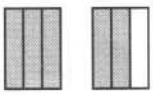
h. 0.04
i. 0.03
j. 0.97

PROBLEM SET 101

1. 30 sandwiches
2. 2 sandwiches
3. 24 halves
4. $0.59
5. 2 feet
6. 672,287 greater
7. (a) $\frac{7}{100}$ (b) 0.07
8. seven thousand, five hundred seventy-two and one-eighth
9.



10. 14 hours, 15 minutes
11. 43 miles
12. 611 miles
13. 47,110
14. $43.46
15. 15,915
16. $10.15
17. 54,000
18. 1260
19. 357
20. 2664
21. 1200
22. $28.74
23. 302
24. 963
25. 804 r 5
26. $6.25
27. 303
28. 16
29. 870 r 2
30.



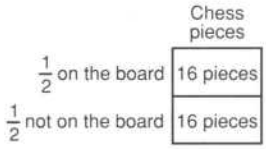
$1\frac{2}{3} = \frac{5}{3}$

PRACTICE

a. 1200; 1334
b. 2500; 2499
c. 2400; 2318
d. 1600; 1722
e. 2000; 1862
f. 3000; 3009

PROBLEM SET 102

1. (a) 2 classrooms
(b) 1 classroom
2. $1.20
3. 1000
4. 67 years
5. 1 gram
6. 19
7. (a) $\frac{9}{10}$ (b) 0.9
8. 3000
9.



10. 6:12 p.m.
11. 630 miles
12. 164 miles
13. 4005
14. $101.02
15. $2.37
16. 9679
17. 192
18. 2700
19. $60.00
20. 952
21. 1242
22. 2960
23. $1.59
24. 160
25. 307 r 3
26. 591 r 7
27. 290 r 5
28. 18
29. 600
30.

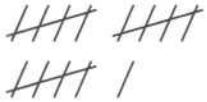
$2\frac{1}{4} = \frac{9}{4}$

PRACTICE

a. $0.50

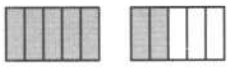
PROBLEM SET 103

1. $1.55
2. 54 bears
3. 120 trees
4. 39 trinkets
5. 550 grams
6.



7. (a) $\frac{11}{100}$ (b) 0.11
8. 1500; 1536
9.

10. 1970 people
11. 543 people
12. 62 miles
13. 397,817
14. $100.99
15. 384
16. 86,769
17. $21.02
18. 63,000
19. 4000
20. 780
21. 972
22. 1888
23. 357
24. 131 r 3
25. 590 r 3
26. 405
27. 333 r 1
28. 20
29. $5.80
30.



$1\frac{2}{5} = \frac{7}{5}$

PRACTICE

a. 18 checkers
b. 12 leprechauns
c. 15 students

PROBLEM SET 104

1. Thanh
2. Marisol
3. 33 votes
4. 8 balloons
5. 452,787
6. (a) $\frac{3}{10}$ (b) 0.3

49

7. 5400
8. Tuesday
9. 36 mm
10. $82.19
11. 99,929
12. $6.95
13. 29,810
14. 3320
15. 53,000
16. 729
17. 512
18. 2144
19. $75.80
20. 208 r 1
21. 178 r 2
22. 230 r 5
23. 183 r 1
24. 416 r 4
25. $3.57
26.
27. 38
28. 42
29. 46
30. 8

PRACTICE

a. 52
b. 6
c. 50
d. 204

PROBLEM SET 105

1. 14 years old
2. 92 days
3. 64¢
4. (a) 4 rows (b) 2 rows
5. 14 riders
6. (a) 0.05 (b) 0.95
7. 300,000 + 10,000 + 4000 + 2; three hundred fourteen thousand, two
8. 4000
9. 500 milliliters
10. 9 hours, 10 minutes
11. 182 boxes
12. 46 miles
13. 500,005
14. 28,926
15. $17.65
16. $5.22
17. 306,690
18. $59.92
19. 18,000
20. 1692
21. 624
22. 625
23. 120 r 5
24. 111 r 1
25. $2.05
26. 13
27. 72
28. 20
29. 179
30.

PRACTICE

a. $1\frac{1}{10}$
b. 1.1
c. 9.99
d. 12.3
e. 10.01
f. $60\frac{3}{10}$
g. $6\frac{3}{100}$
h. $5\frac{67}{100}$

PROBLEM SET 106

1. 137 miles
2. (a) Chicago and Dallas
   (b) 936 miles
3. 4434
4. 0
5. 750 doubloons
6. (a) 3.5 (b) 14.21 (c) 9.04
7. 16,000
8. 100 mm
9. 10 cm
10. 2:40 p.m.
11. 25,038
12. 13 bottles
13. 104,744
14. $9.50
15. 580,062
16. $3.28
17. 1000
18. $6.86
19. 90
20. 864
21. 2583
22. 1225
23. 10
24. $8.75
25. 480 r 1
26. 205 r 4
27. 114 r 2
28. 162 r 1
29. 42
30.

PRACTICE

a. ones
b. tenths
c. hundredths
d. tens
e. 8
f. 5
g. 3
h. 4
i. four and thirty-eight hundredths
j. forty-three and eight-tenths
k. ten and six-tenths
l. one and six hundredths
m. thirty-six and seventy-five hundredths
n. thirty-six and seven-tenths

PROBLEM SET 107

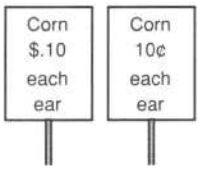
1. James, 14; Jill, 16
2. 18 years old
3. 32¢
4. (a) 5.31 (b) 16.7 (c) 5.07
5. 24 points
6. seven and sixty-eight hundredths
7. seventy-six and eight-tenths
8. 7200
9. (a) $1\frac{3}{10}$ (b) 1.3
10. 185,117
11. 7995 greater
12. 3 a.m.
13. 9 pizzas; 45 pizzas
14. $35
15. $6.85

50

16. 2600
17. $7.83
18. 224
19. 480
20. 1536
21. 2820
22. 708
23. 233 r 3
24. $9.80
25. 456 r 6
26. 20
27. 6
28. 320 r 2
29. 76
30.

PRACTICE

a.



PROBLEM SET 108

1. (a) 8 groups (b) 5 left (c) 9 groups
2. 56 years
3. $2.25
4. 30 points
5.

6. $34.52
7. six thousand, four hundred twelve and five-tenths
8. 5000 + 7000 = 12,000
9. 3 quarts
10. 505,313
11. 30,407 more
12. 143 little people
13. 24 students; 168 students
14. $105.06
15. $94.57
16. 635
17. 1081
18. $35.56
19. 2500
20. 16
21. 37
22. 2499
23. 825
24. 282 r 2
25. 701 r 6
26. 520 r 1
27. $1.43
28. 166 r 4
29. 67
30.

PRACTICE

a. diameter
b. radius
c. 8 cm

PROBLEM SET 109

1. 50 yards
2. $5.36
3. 5 years old
4. (a) $3\frac{29}{100}$ (b) $32\frac{9}{10}$ (c) $3\frac{9}{100}$
5. 63 contestants
6. (a) 1 inch (b) $\frac{1}{2}$ inch
7. eight and seventy-five hundredths
8. 1100
9. 40 mm
10. 7037
11. 3909 greater
12. $47.78
13. $10.75
14. 315
15. $46.98
16. 54,000
17. 1184
18. 1280
19. 600
20. 604 r 1
21. 600
22. 141
23. 51 r 2
24. $1.72
25. 78
26.

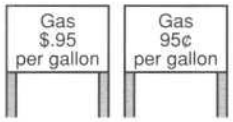
27. 7
28. 8
29. 746
30. 96

PRACTICE

a. 27 children
b. 1 child
c. 1

PROBLEM SET 110

1. 24 hours
2. $\frac{1}{24}$
3. 2:30 p.m.
4. 240 marchers
5.

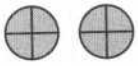


6. (a) 1 cm (b) 2 cm
7. three thousand, one hundred twenty-six and one-half
8. 1800
9. $2.65
10. 400,000 + 3000 + 700 + 8; four hundred three thousand, seven hundred eight
11. 301,517
12. $0.30; $1.80
13. 50 miles; 400 miles
14. $0.44
15. 9309
16. $21.00
17. 4900
18. 4899
19. 2220
20. 2352
21. $47.76
22. $7.50
23. 87 r 2
24. 816
25. 526
26. 3
27. 4
28. 127 r 1
29. 43
30.

PRACTICE

a. 4.3
b. 5.5
c. 6.8
d. 7.4

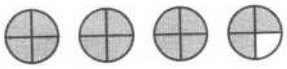
PROBLEM SET 111

1. 14 boxes
2. 47
3. $6.55
4. 480 gymnasts
5. $254.31
6. (a) 35 mm (b) 3.5 cm
7. twelve and sixty-seven hundredths
8. 4000
9. 50 cm
10. 423,516
11. 217,048
12. $8; $96
13. 31 toys; 434 toys
14. $24.24
15. $3.63
16. 20,000
17. 2009
18. 280
19. 544
20. 3402
21. 5
22. 47
23. 1520
24. 452
25. 620 r 2
26. 502 r 2
27. $0.73
28. 795 r 7
29. 707
30. 

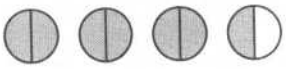
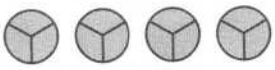
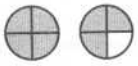
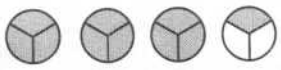
PRACTICE

a. $\frac{6}{6}$
b. $\frac{10}{10}$
c. $\frac{6}{6}$
d. $\frac{9}{9}$

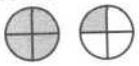
PROBLEM SET 112

1. 84
2. 180 minutes
3. $14
4. (a) 0.3 (b) 4.99 (c) 12.01
5. 25 students
6. (a) 20 mm (b) 10 mm
7. four thousand, three hundred twenty-five and one-sixth
8. 1200
9. 5; 110
10. 7 jobs; 154 jobs
11. $60; $116
12. 84,844
13. $130.00
14. 622
15. 17,993
16. $11.15
17. $26.95
18. 1392
19. 3600
20. 3599
21. 6
22. 2516
23. 970 r 4
24. $4.17
25. 600 r 5
26. 309
27. 375
28. 80
29. 26
30. 

PRACTICE

a. $3\frac{1}{2}$ 
b. 4 
c. $2\frac{2}{3}$
d. 3
e. $1\frac{3}{4}$ 
f. $3\frac{1}{3}$ 

PROBLEM SET 113

1. 70 feet
2. 52 full weeks
3. 20 cookies
4. 36 leprechauns
5. (a) 43 mm (b) 4.3 cm
6. $\frac{8}{8}$
7. four hundred thirty-two and fifty-eight hundredths
8. 6300
9. 

$1\frac{1}{4} = \frac{5}{4}$

10. 240 miles; 1713 miles
11. 2190 pounds
12. 22 pounds; 1606 pounds
13. $20.52
14. 410,707
15. $14.28
16. 8466
17. 81
18. 24,000
19. $4.74
20. 2414
21. 4214
22. 2961
23. 576
24. 963
25. 25
26. 604 r 5
27. 205 r 1
28. $2.32
29. 26
30. 927

PRACTICE

a. 7 r 3
b. 34 r 2
c. 24 r 3
d. 72
e. 56 r 1
f. 38

PROBLEM SET 114

1. 8 mints
2. 15
3. $18
4. 12 elves

5. $642.13
6. $\frac{10}{10}$
7. eight thousand, six hundred seventy-four and three-tenths
8. 100
9. (a) $1\frac{4}{5}$ (b) 3 (c) $4\frac{1}{2}$
10. 240 people; 1680 people
11. $30; $270
12. $26.16
13. $34.99
14. 801,002
15. 219
16. 45,494
17. $0.51
18. $99.92
19. 4526
20. 900
21. 896
22. 17
23. 17
24. 1566
25. 23
26. 340 r 3
27. 37 r 2
28. $0.72
29. 41 r 2
30. 42

PRACTICE

a. 8.22
b. 8.03
c. 16.62
d. 25.25

PROBLEM SET 115

1. 3 cans
2. $1.41
3. 60 inches
4. 20 students
5. Admission $.75 each

   Admission 75¢ each
6. (a) $\frac{1}{2}$ inch (b) 1 inch
7. four hundred seventeen thousand, five hundred twenty-three and forty-three hundredths
8. 24,000
9. 1
10. $\frac{12}{12}$
11. $12.10
12. $5.20
13. 28 miles; 644 miles
14. 43.84
15. 21.33
16. 97.01
17. $35.13
18. 15,959
19. $33.12
20. 8100
21. 8099
22. 8
23. 2628
24. 254 r 1
25. 43
26. $9.54
27. 85
28. 56 r 3
29. 66
30. 189

PRACTICE

a. 14.31
b. 3.16
c. 36.3
d. 6.81

PROBLEM SET 116

1. $6.25
2. 2¢
3. 495
4. 10 stamps
5. (a) 27 mm (b) 2.7 cm
6. $\frac{10}{10}$
7. three thousand, seven hundred twenty-two and ninety-one hundredths
8. 5000
9. $2\frac{1}{4}$
10. (c)
11. first group
12. 136 stores; 119 more stores
13. 361 miles
14. 50.97
15. 33.84
16. 48.74
17. 28.91
18. 5.15
19. 13.93
20. 864
21. 930
22. 2107
23. 46
24. $3.04
25. 7
26. 386
27. 220 r 3
28. 53 r 2
29. 32
30. 178

PRACTICE

a. 17.17
b. 45.16
c. 5.16
d. 67.35
e. 21.79
f. 42.51

PROBLEM SET 117

1. $0.38
2. 5 cookies
3. 14
4. 8 strings
5. $74.32
6. $\frac{5}{5}$
7. three hundred ninety-seven and three-fourths
8. 11,000
9. (a) $2\frac{1}{3}$ (b) 2 (c) $1\frac{4}{5}$
10. $15 less
11. 8 miles
12. $0
13. 63.97
14. 65.91
15. 44.47
16. 63.43
17. $2.80

18. 648
19. 2010
20. 6400
21. 6399
22. 4672
23. $1.59
24. 52
25. 8
26. 620 r 5
27. 24 r 3
28. 908
29. 35
30. 157

PRACTICE

a. 2.17
b. 13.64
c. 2.16
d. 1.71
e. 1.35
f. 32.87
g. 31.14

PROBLEM SET 118

1. 14 more cars
2. 43 vehicles
3. 9
4. 54 pages
5. (a) 18 mm (b) 9 mm
6. $\frac{4}{4}$
7. seventeen thousand, six hundred fifty-four and one-tenth
8. 2400
9.

$2\frac{1}{2} = \frac{5}{2}$

10. 68 miles
11. $126 each; $4536
12. 24 red; 16 black
13. 97.4
14. 49.95
15. 15.84
16. 11.22
17. 24
18. 780
19. 552
20. 400
21. 399
22. 2304
23. $2.06
24. 624
25. 3
26. 36
27. 643 r 2
28. 42 r 3
29. 23
30. 279

PRACTICE

a. 2 r 12
b. 4 r 7
c. 2 r 15
d. 6 r 7
e. 3 r 7
f. 7 r 7

PROBLEM SET 119

1. 27, 27, 26
2. 5
3. 15 years old
4. 228 fans
5.

Cash for cans 85¢ / pound

Cash for cans $0.85 / pound

6. $\frac{12}{12}$
7. one thousand, six hundred eight and seventy-two hundredths
8. 1000
9.

$\frac{6}{2} = 3$

10. 6 minutes; 60 minutes
11. $1.75
12. $195
13. 26.38
14. 27.11
15. 6.86
16. 25.74
17. 72,000
18. $5.84
19. 0
20. 720
21. 4650
22. 2736
23. 60 r 3
24. $7.43
25. 4
26. 124
27. 4
28. 3 r 5
29. 2 r 8
30. 1167

PRACTICE

a. $\frac{2}{3}$
b. $\frac{3}{4}$
c. $\frac{3}{5}$
d. $\frac{7}{10}$
e. $\frac{11}{12}$
f. $\frac{17}{25}$
g. $\frac{7}{8}$

PROBLEM SET 120

1. $2.38
2. $0.67 more
3. 60¢
4. 28 polliwogs
5. (a) 39 mm (b) 3.9 cm
6. $\frac{8}{8}$
7. twenty-one thousand, five hundred seventy-two and four-tenths
8. 8000
9. (a) $5\frac{1}{2}$ (b) $3\frac{2}{3}$ (c) $2\frac{3}{4}$
10. 99 golf balls
11. $72
12. 8 times
13. 25.13
14. 32.49
15. 67.14
16. 9.39
17. $\frac{7}{9}$
18. $\frac{5}{10}$

19. 8
20. 160
21. $\frac{17}{20}$
22. 1620
23. 1260
24. 493
25. 90 r 5
26. $2.38
27. 69
28. 5 r 3
29. 4 r 4
30. 9 r 7

PRACTICE

a. $\frac{1}{3}$
b. $\frac{1}{4}$
c. $\frac{2}{5}$
d. $\frac{3}{10}$
e. $\frac{5}{12}$
f. 0

PROBLEM SET 121

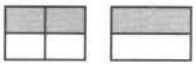
1. 14.5 seconds
2. ~~slower~~ faster
3. 1480 seeds
4. (a) $12\frac{41}{100}$ (b) $24\frac{1}{10}$ (c) $2\frac{3}{100}$
5. 210 students
6. $\frac{6}{6}$
7. two thousand, one hundred fifty-seven and twenty-four hundredths
8. 16,000
9.

$2\frac{2}{3} = \frac{8}{3}$

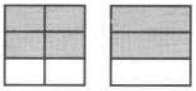
10. 11 miles; 77 miles
11. 2 fish
12. Jason, 19 spoonfuls; Castor, 14 spoonfuls
13. 24.55
14. 23.42
15. 30.67
16. 14.76
17. $\frac{9}{10}$
18. $\frac{8}{11}$
19. $\frac{5}{5}(1)$
20. $\frac{4}{9}$
21. $\frac{1}{7}$
22. 5
23. 340
24. 0
25. $35.12
26. 1836
27. 3577
28. 2 r 11
29. 8
30. 9 r 1

PRACTICE

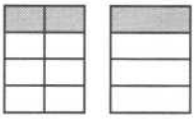
a. $\frac{6}{8}, \frac{3}{4}$
b. $\frac{3}{9}, \frac{1}{3}$
c.



d.

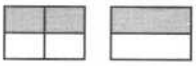


e.



PROBLEM SET 122

1. 3600 seconds; 3600 seconds
2. 5 cans
3. 18 years old
4. 600 pine trees
5. (a) $6\frac{1}{3}$ (b) $4\frac{3}{4}$ (c) $3\frac{4}{5}$
6. nineteen thousand, three hundred eighty-four and fifty-six hundredths
7. $\frac{3}{4}, \frac{6}{8}$
8.



$\frac{2}{4} = \frac{1}{2}$

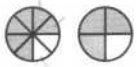
9. 45 miles; 405 miles
10. 23 miles
11. 510 students
12. 10.54
13. 31.14
14. 11.69
15. $\frac{9}{10}$
16. $\frac{3}{4}$
17. $\frac{2}{7}$
18. $\frac{1}{12}$
19. 0
20. $31.71
21. 2808
22. 5312
23. $9.40
24. 18
25. 406
26. 60 r 5
27. 442
28. 26
29. 9 r 5
30. 7

PRACTICE

a. 6 square inches
b. 15 square centimeters
c. answer varies

PROBLEM SET 123

1. 5 minutes
2. 23 marbles
3. 220 books
4. 27 students
5. $\frac{3}{3}$
6. seven thousand, four hundred sixty-two and twelve hundredths
7. $\frac{5}{10}, \frac{1}{2}$
8.



$\frac{6}{8} = \frac{3}{4}$

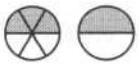
55

9. 4298 microbes
10. 6 experiments;
    102 experiments
11. 5 hours, 45 minutes
12. 20.65
13. 90.43
14. 1942.97
15. 347.69
16. $\frac{7}{8}$
17. $\frac{4}{5}$
18. $\frac{7}{10}$
19. 5074
20. 3504
21. $7.02
22. 297 r 2
23. $8.75
24. 603
25. 9
26. 4
27. 190
28. 46 r 3
29. 4 r 15
30. 517

PRACTICE

a. 24 square centimeters
b. 25 square inches
c. 14 square feet
d. 48 square meters
e. 49 square millimeters
f. 50 square yards

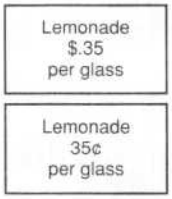
PROBLEM SET 124

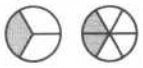
1. 100 boards; $90
2. (a) 15 square centimeters
   (b) 48 square inches
3. (a) 34 mm (b) 3.4 cm
4. 20 burros
5. (a) $7\frac{1}{2}$ (b) 5 (c) $3\frac{3}{4}$
6. four hundred ninety-three thousand, two hundred sixty-five and sixty-two hundredths
7. $\frac{6}{12}$ and $\frac{1}{2}$
8. 
   $\frac{3}{6} = \frac{1}{2}$
9. $2
10. $3.40
11. $17.60
12. 0.62
13. 31.93
14. 199.99
15. $\frac{7}{9}$
16. $\frac{6}{7}$
17. 0
18. $\frac{1}{12}$
19. $\frac{3}{10}$
20. 1728
21. 4176
22. $28.56
23. 786
24. 364 r 1
25. $3.88
26. 49
27. 4 r 10
28. 4 r 11
29. 61
30. 1205

PRACTICE

a. 43 r 2
b. 29
c. 22 r 8
d. 46
e. 40
f. 35 r 3

PROBLEM SET 125

1. $11
2. (a) 9 square feet
   (b) 35 square centimeters
3. 50 nickels
4. 

5. $\frac{3}{8}$
6. $\frac{4}{4}$
7. thirty-six thousand, four hundred ninety-seven and eight-tenths
8. 
   $\frac{1}{3} = \frac{2}{6}$
9. 319 miles
10. $32.20
11. 9 students
12. 58.43
13. $9.51
14. 35.51
15. 100.56
16. $\frac{2}{9}$
17. $\frac{9}{11}$
18. $\frac{7}{9}$
19. $\frac{7}{12}$
20. 1508
21. $30.00
22. 1692
23. $9.07
24. 22
25. 353
26. 480 r 1
27. 76
28. 16
29. 12 r 32
30. 62

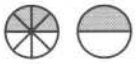
PRACTICE

a. 5640
b. 6020
c. 3500
d. 14,210
e. 19,220
f. 26,414

PROBLEM SET 126

1. 1317 miles
2. (a) 20 square meters
   (b) 49 square inches
3. 50 centimeters

56

4. 20 pine cones
5. 7000
6. $\frac{5}{5}$
7. fifty-five thousand, three hundred seventy-four and twenty-five hundredths
8. 

   $\frac{4}{8} = \frac{1}{2}$
9. 22,628 more
10. 150 pounds; 1950 pounds
11. 14,110 feet high
12. 26.37
13. 33.54
14. 77.98
15. $\frac{14}{15}$
16. $\frac{9}{10}$
17. $\frac{2}{15}$
18. 0
19. $\frac{1}{6}$
20. 14,720
21. 8
22. 348
23. 3266
24. 7675
25. 806 r 1
26. 343
27. 3.75
28. 24
29. 24 r 5
30. 68

PRACTICE

a. $\frac{2}{8}, \frac{3}{12}, \frac{4}{16}, \frac{5}{20}$

b. $\frac{10}{12}, \frac{15}{18}, \frac{20}{24}, \frac{25}{30}$

c. $\frac{4}{10}, \frac{6}{15}, \frac{8}{20}, \frac{10}{25}$

d. $\frac{2}{20}, \frac{3}{30}, \frac{4}{40}, \frac{5}{50}$

PROBLEM SET 127

1. 395 kilometers longer
2. 1197 miles longer
3. 30 feet
4. 824 acorns
5. (a) 10 centimeters
   (b) 100 millimeters
6. 900
7. three thousand, five hundred seventy-eight and two-thirds
8. $\frac{3}{6}, \frac{6}{12}, \frac{10}{20}$
9. 6 miles; 78 miles
10. 32 deer
11. 17 lances
12. 31.67
13. 48.87
14. 14.61
15. 59.76
16. $\frac{11}{12}$
17. $\frac{5}{7}$
18. $\frac{9}{16}$
19. $\frac{1}{8}$
20. 9828
21. 16,920
22. 29
23. 363
24. 11,832
25. 109
26. $6.25
27. 61
28. 15
29. 32
30. 28 r 3

PRACTICE

a. $\frac{1}{2}$

b. $\frac{1}{3}$

c. $\frac{1}{3}$

d. $\frac{3}{8}$

e. $\frac{1}{5}$

f. $\frac{3}{5}$

g. $\frac{3}{4}$

h. $\frac{9}{10}$

PROBLEM SET 128

1. 54 horses
2. (a) 26 centimeters
   (b) 40 square centimeters
3. 40 dimes
4. 12 minutes
5. (a) $\frac{3}{4}$ inch (b) $1\frac{1}{2}$ inches
6. (a) $\frac{2}{3}$ (b) $\frac{1}{2}$ (c) $\frac{6}{7}$
7.

   $\frac{4}{6} = \frac{2}{3}$
8. $\frac{4}{6}, \frac{6}{9}, \frac{8}{12}$
9. 13 cookies; 286 cookies
10. $10.67
11. 4352 less
12. 6.84
13. 0.34
14. 58.32
15. $\frac{3}{10}$
16. $\frac{12}{13}$
17. $\frac{1}{9}$
18. $\frac{3}{7}$
19. 0
20. 26,104
21. 8502
22. 27,930
23. 200
24. $7.12
25. 403
26. 22
27. 74
28. 24 r 3
29. 83,862
30. 6490

PRACTICE

a. 4
b. 4 r 6
c. 2 r 18
d. 5 r 40
e. 3 r 26
f. 7 r 8

PROBLEM SET 129

1. 1440 minutes
2. 14 cards
3. (a) 12 feet (b) 9 square feet
4. $1.80
5. (a) 1.8 centimeters
   (b) 0.9 centimeters
6. twenty-seven thousand, three hundred eighty-four and six-tenths
7. (a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{4}{5}$
8. $\frac{6}{8}, \frac{9}{12}, \frac{12}{16}$
9. 8 rocks
10. 27 sticks
11. 50 pounds
12. 65.02
13. 26.31
14. 27.64
15. 0
16. $\frac{9}{10}$
17. $\frac{5}{8}$
18. $\frac{4}{7}$
19. $\frac{7}{16}$
20. 6664
21. 16,320
22. 30,736
23. 540 r 5
24. 15
25. 337
26. $5.24
27. 407
28. 80 r 10
29. 3 r 2
30. 5 r 14

PRACTICE

a. $6\frac{3}{4}$

b. $6\frac{5}{8}$

c. $9\frac{2}{5}$

d. $3\frac{2}{5}$

e. $5\frac{1}{4}$

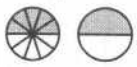
f. $9\frac{5}{9}$

g. 1

h. $3\frac{1}{2}$

i. $\frac{1}{4}$

PROBLEM SET 130

1. 5 minutes
2. (a) 36 square inches
   (b) 26 inches
3. $25
4. $4.50
5. 3000
6. fourteen thousand, seven hundred twenty-three and eight-tenths
7. (a) $\frac{1}{4}$ (b) $\frac{2}{5}$ (c) $\frac{4}{9}$
8. 

   $\frac{5}{10} = \frac{1}{2}$
9. 252 pounds
10. 16 washers; 2 time periods
11. 3066 laps
12. 50.45
13. 5.69
14. $4\frac{1}{4}$
15. $4\frac{3}{5}$
16. $13\frac{2}{3}$
17. $2\frac{3}{5}$
18. 2
19. $2\frac{2}{3}$
20. 29,326
21. 21,830
22. $75.42
23. $0.73
24. 4
25. 408
26. 509 r 2
27. 764
28. 81 r 40
29. 4 r 5
30. 5 r 34

PRACTICE

a. $1\frac{3}{5}$

b. $\frac{2}{3}$

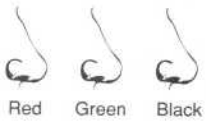
c. $5\frac{1}{3}$

d. 12

e. $6\frac{3}{4}$

f. $7\frac{1}{5}$

PROBLEM SET 131

1. $0.32
2. (a) 36 square centimeters
   (b) 24 centimeters
3. $22
4. $20
5. 9000
6. one hundred thirty-six thousand, four hundred two and thirty-five hundredths
7. (a) $\frac{1}{6}$ (b) $\frac{3}{4}$ (c) $\frac{1}{3}$
8. $\frac{2}{12}, \frac{3}{18}, \frac{4}{24}$
9. 

   ; red
10. $8.60
11. 39 miles
12. 31.12
13. 10.69
14. $1\frac{2}{5}$
15. $19\frac{3}{4}$
16. 5
17. 1
18. 15
19. $10\frac{1}{3}$
20. 14,508
21. 6674
22. 8640
23. 604 r 2

24. 15
25. 390
26. 420
27. $7.20
28. 32 r 3
29. 6 r 4
30. 5 r 4

PRACTICE

a. 3
b. 8
c. 10
d. 6
e. 6
f. 6

PROBLEM SET 132

1. $5.16
2. (a) 24 feet
(b) 35 square feet
3. 82
4. 1023 bugs
5. (a) 3.7 cm (b) 37 mm
6. three hundred fifty-six thousand, four hundred twenty
7. (a) 3 (b) 2 (c) 4
8. (a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) $\frac{9}{16}$
9. $\frac{1}{4}$ of the workers
10. $108
11. 2 figures; 50 minutes
12. 1.19
13. 3.21
14. $1\frac{3}{5}$
15. 9
16. $6\frac{1}{2}$
17. $3\frac{1}{3}$
18. $2\frac{1}{2}$
19. $2\frac{1}{2}$
20. 24,000
21. 14,472
22. $18.00
23. 607
24. $25
25. 438
26. 16 r 5
27. 4 r 1
28. 96
29. 2 r 27
30. 42,815

PRACTICE

a. sphere
b. rectangular solid
c. cone
d. pyramid
e. 18 cubes

PROBLEM SET 133

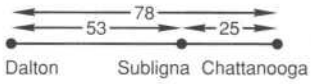
1. 4 students
2. 12 students
3. 28 students
4. 9 inches long
5. 16 cubes
6. (a) rectangular solid
(b) pyramid (c) cylinder
7. (a) 4 (b) 2 (c) 6
8. (a) $\frac{9}{10}$ (b) $\frac{2}{3}$ (c) $\frac{1}{2}$
9.

; Sarah
10. 14,514
11. 5 or 6 items
12. 1.3
13. 2.57
14. 2
15. 8
16. $6\frac{1}{3}$
17. 2
18. $3\frac{1}{4}$
19. $2\frac{1}{4}$
20. 8000
21. $160
22. 3196
23. 760 r 4
24. $1.24
25. 578
26. 8 r 6
27. 6
28. 7 r 22
29. 74
30. 126

PRACTICE

a. I, II, III, IV, V, VI, VII, VIII, IX, X, XI, XII, XIII, XIV, XV, XVI, XVII, XVIII, XIX, XX, XXI, XXII, XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, XXIX, XXX, XXXI, XXXII, XXXIII, XXXIV, XXXV, XXXVI, XXXVII, XXXVIII, XXXIX

PROBLEM SET 134

1. $1.19
2. 150 square millimeters
3. 600 balloons
4. 24 cubes
5. $24; $360
6. 53 miles;


7. 923 more
8. (a) 24 (b) XXXVI
9. (a) sphere
(b) rectangular solid
10. (a) 5 (b) 2 (c) 8
11. (a) $\frac{1}{5}$ (b) $\frac{2}{3}$ (c) $\frac{1}{3}$
12. 24.26
13. 15.36
14. $1\frac{3}{8}$
15. 7
16. $7\frac{5}{6}$
17. $8\frac{4}{5}$
18. $11\frac{1}{2}$
19. 1
20. $3.60
21. 19
22. 331
23. 28,320
24. 1242
25. $0.84

59

26. 73 r 7
27. 705
28. 71 r 10
29. 5 r 5
30. 6 r 24

PRACTICE

a. $\frac{5}{10}, \frac{2}{10}$
b. $\frac{9}{12}, \frac{10}{12}$
c. $\frac{3}{6}, \frac{4}{6}$
d. $\frac{4}{12}, \frac{3}{12}$
e. $\frac{5}{10}, \frac{6}{10}$
f. $\frac{10}{15}, \frac{6}{15}$

PROBLEM SET 135

1. 18 polliwogs
2. 12 miles
3. $1.68
4. 48 baseball cards
5. (a) 19 (b) XXVIII
6. (a) 6 (b) 4 (c) 3
7. (a) $\frac{1}{2}$ (b) $\frac{8}{15}$ (c) $\frac{1}{2}$
8. 7¢ per clip; 8¢ per eraser; $2.58
9. 32
10. 470 miles
11. (a) $\frac{3}{12}, \frac{8}{12}$ (b) $\frac{4}{12}, \frac{9}{12}$
12. 7.21
13. 55.04
14. $2\frac{1}{4}$
15. $5\frac{1}{3}$
16. 7
17. 1
18. 16
19. 20
20. $7\frac{2}{5}$
21. 5100
22. 7982
23. 17,500
24. 710
25. $2.50
26. 642 r 6
27. 14 r 12
28. 8 r 6
29. 5 r 28
30. 35,689

PRACTICE

a. ten millions
b. millions
c. hundred thousands
d. ten thousands
e. hundred millions
f. thousands

PROBLEM SET 136

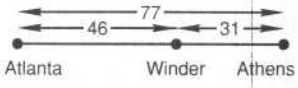
1. 12 soldiers
2. 35¢
3. 15 millimeters
4. 8 cubes
5. (a) 18 (b) XXXIII
6. $8 per bat; $9 per ball; $237
7. 8 hours
8. pattern: +5; 42
9. (a) 8 (b) 9 (c) 10
10. (a) $\frac{5}{10}, \frac{6}{10}$ (b) $\frac{3}{6}, \frac{4}{6}$
11. 6
12. 15.38
13. 58.17
14. $8\frac{1}{4}$
15. $8\frac{1}{2}$
16. $\frac{3}{4}$
17. $\frac{9}{10}$
18. 6
19. $7\frac{1}{9}$
20. 200,000
21. $57.33
22. 1
23. 35,910
24. $4.80
25. 802
26. 12 r 4
27. 8
28. 5 r 19
29. 44,092
30. 62,542

PRACTICE

a. twenty-seven million, one hundred ninety-six thousand, three hundred eighty-four; 27,196,384
b. one hundred seventy-six million, two hundred forty-five thousand, three hundred ninety-eight; 176,245,398
c. three million, five hundred forty-one thousand, two hundred eighty-six; 3,541,286
d. nineteen million, five hundred seventy-four thousand, three hundred twenty-eight; 19,574,328

PROBLEM SET 137

1. 12 merry men
2. (a) 96 square centimeters (b) 40 centimeters
3. 75 questions
4. (a) cylinder (b) sphere (c) cube
5. (a) $\frac{1}{2}$ (b) $\frac{1}{3}$ (c) $\frac{2}{3}$
6. $\frac{9}{12}, \frac{10}{12}$
7. 2
8. 46 miles;



9. $360
10. two million, five hundred thirty-four thousand, one hundred sixty-seven
11. 27.78
12. 6.51
13. $1\frac{1}{9}$
14. $5\frac{1}{3}$
15. $5\frac{5}{8}$
16. $9\frac{1}{3}$
17. $5\frac{5}{9}$

60

18. 1
19. 36,480
20. 11,842
21. 972
22. 533
23. 603 r 5
24. $2.60
25. 9 r 8
26. 3 r 11
27. 4 r 9
28. 48,447
29. 48,447
30. XXI, XXII, XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, XXIX

PRACTICE

a. 32
b. 32
c. 21 r 3
d. 22 r 4
e. 21 r 19
f. 50 r 5

PROBLEM SET 138

1. Wednesday
2. 57°
3. 15°
4. (a) 78 meters
   (b) 360 square meters
5. 2 small buses
6. $95.32
7. 11 hours
8. (a) cylinder (b) cone
   (c) sphere
9. (a) $\frac{3}{4}$ (b) $\frac{4}{9}$ (c) $\frac{1}{4}$
10. $\frac{8}{12}, \frac{9}{12}$
11. twenty-seven million, three hundred eighty-six thousand, four hundred fifteen
12. 31.79
13. 16.68
14. $8\frac{2}{5}$
15. $6\frac{1}{2}$
16. 8
17. $10\frac{1}{2}$
18. 1
19. 36,480
20. 11,842
21. 972
22. 533
23. 603 r 5
24. $2.60
25. 9 r 8
26. 3 r 11
27. 4 r 9
28. 48,447
29. 48,447
30. XXI, XXII, XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, XXIX

PRACTICE

a. 32
b. 32
c. 21 r 3
d. 22 r 4
e. 21 r 19
f. 50 r 5

PROBLEM SET 138

1. Wednesday
2. 57°
3. 15°
4. (a) 78 meters
   (b) 360 square meters
5. 2 small buses
6. $95.32
7. 11 hours
8. (a) cylinder (b) cone
   (c) sphere
9. (a) $\frac{3}{4}$ (b) $\frac{4}{9}$ (c) $\frac{1}{4}$
10. $\frac{8}{12}, \frac{9}{12}$
11. twenty-seven million, three hundred eighty-six thousand, four hundred fifteen
12. 31.79
13. 16.68
14. $8\frac{2}{5}$
15. $6\frac{1}{2}$
16. 8
17. $10\frac{1}{2}$
18. 11
19. 410
20. $6\frac{1}{3}$
21. 25,920
22. 7938
23. 720 r 6
24. $3.63
25. 947
26. 21
27. 30
28. 43 r 2
29. 198
30. 103,191

PRACTICE

a. $\frac{5}{6}$
b. $\frac{4}{9}$
c. $\frac{5}{8}$
d. $\frac{1}{8}$
e. $\frac{4}{9}$
f. $\frac{3}{8}$

PROBLEM SET 139

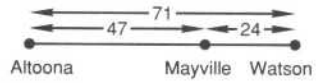
1. 180 tiles
2. 5.3 cm
3. 12 pencils
4. 6 dozen eggs
5. 27 cubes
6. 4 small containers
7. $132.03
8. 17 mph; 221 miles
9. (a) 29 (b) XXIV
10. (a) $\frac{4}{5}$ (b) $\frac{2}{5}$ (c) $\frac{1}{2}$
11. one hundred twenty-three million, four hundred fifteen thousand, seven hundred twenty
12. 25.72
13. 11.95
14. $6\frac{3}{4}$
15. $\frac{3}{8}$
16. $\frac{2}{3}$
17. $4\frac{2}{3}$
18. $\frac{1}{8}$
19. $\frac{1}{3}$
20. 1392
21. 16,660
22. 15,120
23. $5.90
24. 1446
25. 340 r 5
26. 15
27. 14 r 2
28. 30
29. 14,766
30. 7389

PRACTICE

a. 9,263,512
b. 11,123,400
c. 987,645,321
d. 16,543,000
e. 93,000,000
f. 753,872,190

PROBLEM SET 140

1. 44 quarts
2. 45 fleas
3. (a) 100 square millimeters
   (b) 40 millimeters
4. 48 inches
5. 50 students
6. 71 miles;



7. 535,825 greater
8. (a) 33 (b) XXXIX
9. (a) pyramid
   (b) rectangular prism
   (c) cone
10. (a) $\frac{3}{5}$ (b) $\frac{5}{6}$ (c) $\frac{3}{4}$
11. 119,247,984
12. 6.64
13. 3.23
14. $5\frac{1}{5}$

61

15. $\frac{7}{8}$
16. $\frac{1}{2}$
17. $4\frac{4}{5}$
18. $\frac{3}{8}$
19. $\frac{1}{6}$
20. 8246
21. 10,380
22. 45,000
23. 1688
24. 15
25. 642
26. 420 r 2
27. $8.89
28. 45 r 3
29. 41 r 2
30. 20 r 13

PRACTICE

a. 362
b. 285
c. 400
d. 47
e. 3256
f. 1999

PROBLEM SET 141

1. 140 pages
2. 999 square miles
3. 252 quarts
4. $2\frac{1}{4}$ inches
5. (a) 1666 (b) 224 (c) 99
6. (a) $\frac{3}{4}$ (b) $\frac{4}{5}$ (c) $\frac{1}{2}$
7. 27 cubes
8. 93,175,212
9. $\frac{4}{21}$
10. $20 per shirt, $80 per jacket; $1320
11. 400 miles
12. 39.24
13. 31.67
14. 10
15. $\frac{4}{5}$
16. $\frac{5}{6}$
17. $6\frac{1}{4}$
18. $\frac{1}{5}$
19. $\frac{1}{2}$
20. 1457
21. 14
22. 254
23. 11,180
24. 12,000
25. 803
26. $9.25
27. 135
28. 92
29. 20 r 10
30. 23 r 8

PRACTICE

a. 8
b. answer varies

PROBLEM SET 142

1. 81 students
2. 14,562 more
3. 4.5 liters
4. 30 inches
5. $1040
6. 462 miles
7. 546 miles
8. (a) 1167 (b) 329 (c) 112
9. (a) $\frac{4}{5}$ (b) $\frac{4}{5}$ (c) $\frac{1}{2}$
10. 36 cubes
11. 72,240,013
12. 28.44
13. 30.73
14. $11\frac{7}{20}$
15. $\frac{5}{8}$
16. $1\frac{2}{9}$
17. 2
18. 0
19. $\frac{1}{6}$
20. 1536
21. 18,060
22. 10,290
23. 281
24. $10.75
25. 142
26. 88
27. 20
28. 21 r 14
29. 6904
30. 1268

SUPPLEMENTAL PRACTICE FOR LESSON 18

1. 19
2. 14
3. 7
4. 27
5. 7
6. 24
7. 17
8. 40
9. 28
10. 70
11. 37
12. 74
13. 18
14. 7
15. 17
16. 27
17. 57
18. 8
19. 74
20. 28

SUPPLEMENTAL PRACTICE FOR LESSON 20

1. 42
2. 84
3. 79
4. 138
5. 217
6. 202
7. 217
8. 222
9. 96
10. 543
11. 500
12. 292
13. 815
14. 616
15. 662

16. 600
17. 870
18. 710
19. 910
20. 483

SUPPLEMENTAL PRACTICE FOR LESSON 36

1. 116
2. 291
3. 184
4. 108
5. 139
6. 193
7. 226
8. 170
9. 237
10. 114
11. 28
12. 168
13. 36
14. 92
15. 483
16. 534
17. 191
18. 124
19. 280
20. 103

SUPPLEMENTAL PRACTICE FOR LESSON 42

1. Three hundred sixty-three
2. One thousand, two hundred forty-six
3. Twelve thousand, two hundred eighty
4. Twenty-five thousand, three hundred sixty-two
5. One hundred twenty-three thousand, five hundred seventy
6. Two hundred fifty-three thousand, five hundred
7. One hundred twelve thousand, sixty
8. Two hundred twenty thousand, four hundred five
9. Two hundred four thousand, fifty
10. Five hundred forty-six thousand, three hundred twenty-five
11. 1278
12. 11,544
13. 22,430
14. 57,900
15. 171,230
16. 210,900
17. 563,058
18. 987,654
19. 105,070
20. 650,403

SUPPLEMENTAL PRACTICE FOR LESSON 45

A. $\frac{2}{3}$

B. $1\frac{1}{3}$

C. $2\frac{2}{3}$

D. $3\frac{1}{3}$

E. $\frac{3}{4}$

F. $2\frac{1}{4}$

G. $2\frac{3}{4}$

H. $3\frac{1}{4}$

I. $\frac{5}{6}$

J. $1\frac{5}{6}$

K. $2\frac{1}{6}$

L. $3\frac{1}{6}$

M. $\frac{3}{8}$

N. $1\frac{5}{8}$

O. $2\frac{7}{8}$

P. $3\frac{3}{8}$

Q. $\frac{7}{10}$

R. $1\frac{3}{10}$

S. $2\frac{1}{10}$

T. $3\frac{9}{10}$

SUPPLEMENTAL PRACTICE FOR LESSON 50

1. 164
2. 146
3. 57
4. 149
5. 351
6. 36
7. 64
8. 176
9. 51
10. 7
11. 264
12. 374
13. 21
14. 842
15. 251
16. 48
17. 752
18. 27
19. 283
20. 79

SUPPLEMENTAL PRACTICE FOR LESSON 52

1. \$10.35
2. \$1.84
3. \$1.15
4. 34¢
5. \$1.21
6. \$1.17
7. \$2.51
8. 8¢
9. \$12.98
10. 5¢
11. \$5.95
12. 43¢
13. \$2.62
14. 63¢
15. \$16.65
16. 63¢

17. $1.38
18. 37¢
19. $5.45
20. 9¢

SUPPLEMENTAL PRACTICE FOR LESSON 57

1. 72
2. 215
3. 171
4. 144
5. 152
6. 364
7. 135
8. 152
9. 168
10. 504
11. 329
12. 356
13. 512
14. 375
15. 567
16. 304
17. 582
18. 136
19. 378
20. 135

SUPPLEMENTAL PRACTICE FOR LESSON 61

1. 1799
2. 829
3. 2093
4. 2928
5. 3151
6. 97
7. 1654
8. 1587
9. 1505
10. 3836
11. 185
12. 3169
13. 34,791
14. 7,039
15. 23,577
16. 29,744
17. 28,689
18. 52,562
19. 339,968
20. 9,028

SUPPLEMENTAL PRACTICE FOR LESSON 62

1. 7 r 1
2. 4 r 3
3. 8 r 1
4. 4 r 2
5. 7 r 3
6. 7 r 1
7. 7 r 2
8. 4 r 3
9. 7 r 1
10. 3 r 3
11. 6 r 3
12. 8 r 1
13. 6 r 1
14. 8 r 1
15. 6 r 6
16. 6 r 3
17. 1 r 7
18. 6 r 2
19. 6 r 2
20. 5 r 4

SUPPLEMENTAL PRACTICE FOR LESSON 67

1. 272
2. 1175
3. 1290
4. 1296
5. 1800
6. 4494
7. 1535
8. 3664
9. 4440
10. 2576
11. 3627
12. 3920
13. 1218
14. 4230
15. 1554
16. 592
17. 2832
18. 1290
19. 1375
20. 1232

SUPPLEMENTAL PRACTICE FOR LESSON 73

1. 16
2. 28
3. 18
4. 14
5. 16
6. 12
7. 15
8. 27
9. 13
10. 17
11. 38
12. 18
13. 18
14. 14
15. 26
16. 12
17. 21
18. 17
19. 12
20. 13

SUPPLEMENTAL PRACTICE FOR LESSON 74

1. 55
2. 14
3. 74
4. 54
5. 64
6. 65
7. 64
8. 96
9. 57
10. 68
11. 38
12. 25
13. 57
14. 73
15. 52
16. 27
17. 63
18. 95
19. 75
20. 49

SUPPLEMENTAL PRACTICE FOR LESSON 75

1. 23 r 1
2. 57 r 1
3. 36 r 2
4. 57 r 2
5. 48 r 1
6. 45 r 1

7. 23 r 3
8. 63 r 4
9. 27 r 2
10. 39 r 1
11. 24 r 4
12. 63 r 1
13. 94 r 1
14. 74 r 3
15. 36 r 1
16. 99 r 1
17. 54 r 2
18. 27 r 1
19. 46 r 2
20. 73 r 1

SUPPLEMENTAL PRACTICE FOR LESSON 77

1. 640
2. $12.90
3. 2240
4. $13.60
5. 2820
6. $33.60
7. 1500
8. $14.70
9. 3480
10. $48.50
11. $104.30
12. 2280
13. 6080
14. $43.20
15. 1780
16. $112.50
17. $23.40
18. 2340
19. $26.80
20. 5880

SUPPLEMENTAL PRACTICE FOR LESSON 85

1. 233 r 1
2. 123
3. 223
4. 124
5. 321 r 1
6. 114 r 3
7. 212 r 3
8. 214
9. 345
10. 534 r 1
11. 145 r 1
12. 277 r 3
13. 333 r 3
14. 125
15. 444 r 1
16. 253
17. 562 r 2
18. 166
19. 125
20. 748 r 3

SUPPLEMENTAL PRACTICE FOR LESSON 89

1. 240
2. 320
3. 402
4. 104
5. 520 r 2
6. 303 r 2
7. 400 r 1
8. 909 r 1
9. 680 r 4
10. 904
11. 500
12. 670 r 1
13. 807 r 1
14. 409 r 3
15. 150
16. 400 r 1
17. 190 r 1
18. 760
19. 409 r 5
20. 700 r 2

SUPPLEMENTAL PRACTICE FOR LESSON 99

1. 432
2. 690
3. 837
4. 1184
5. 2268
6. 1225
7. 882
8. 1716
9. 925
10. 4292
11. 3087
12. 1170
13. 3072
14. 3876
15. 912
16. 1786
17. 4214
18. 899
19. 2607
20. 2394

SUPPLEMENTAL PRACTICE FOR LESSON 113

1. $1\frac{1}{2}$
2. 3
3. $1\frac{1}{3}$
4. $1\frac{3}{4}$
5. $2\frac{2}{5}$
6. 2
7. $1\frac{1}{4}$
8. $1\frac{2}{5}$
9. 1
10. $1\frac{4}{5}$
11. $2\frac{1}{2}$
12. 2
13. 1
14. $1\frac{2}{3}$
15. $2\frac{1}{4}$
16. 3
17. 2
18. $3\frac{1}{3}$
19. $3\frac{1}{2}$
20. $2\frac{1}{3}$

SUPPLEMENTAL PRACTICE FOR LESSON 117

1. 5.77
2. 17.68
3. 38.96
4. 22.5
5. 31.06
6. 48.21

7. 46.31
8. 10.01
9. 111.11
10. 99.99
11. 8.26
12. 16.85
13. 16.13
14. 10.68
15. 62.18
16. 9.37
17. 43.44
18. 23.72
19. 79.41
20. 70.33

SUPPLEMENTAL PRACTICE FOR LESSON 118

1. 2.25
2. 20.9
3. 12.65
4. 10.9
5. 5.79
6. 24.13
7. 14.35
8. 7.79
9. 1.06
10. 2.14
11. 1.86
12. 11.16
13. 6.18
14. 1.98
15. 10.89
16. 27.09
17. 27.65
18. 55.86
19. 1.29
20. 16.91

SUPPLEMENTAL PRACTICE FOR LESSON 125

1. 23
2. 21
3. 13
4. 32
5. 12
6. 21
7. 21 r 20
8. 13 r 30
9. 34
10. 33 r 5
11. 24 r 10
12. 31 r 7
13. 25 r 1
14. 15 r 9
15. 46
16. 52 r 8
17. 44
18. 23 r 14
19. 56
20. 54 r 10

SUPPLEMENTAL PRACTICE FOR LESSON 126

1. 3840
2. 2772
3. 3289
4. 4800
5. 3952
6. 7560
7. 6846
8. 3450
9. 10,050
10. 12,138
11. 43,680
12. 6902
13. 5488
14. 17,940
15. 7697
16. 4212
17. 25,826
18. 31,960
19. 10,353
20. 6882

SUPPLEMENTAL PRACTICE FOR LESSON 128

1. $\frac{1}{2}$
2. $\frac{1}{2}$
3. $\frac{3}{4}$
4. $\frac{1}{3}$
5. $\frac{1}{3}$
6. $\frac{2}{5}$
7. $\frac{1}{2}$
8. $\frac{1}{6}$
9. $\frac{3}{4}$
10. $\frac{2}{3}$
11. $\frac{2}{3}$
12. $\frac{4}{5}$
13. $\frac{1}{4}$
14. $\frac{1}{4}$
15. $\frac{1}{5}$
16. $\frac{1}{2}$
17. $\frac{2}{3}$
18. $\frac{3}{5}$
19. $\frac{1}{3}$
20. $\frac{1}{2}$

SUPPLEMENTAL PRACTICE FOR LESSON 129

1. 6
2. 4
3. 9 r 1
4. 3 r 2
5. 7
6. 5 r 2
7. 4 r 4
8. 5 r 5
9. 4 r 2
10. 6 r 3
11. 6 r 4
12. 5 r 10
13. 4 r 12
14. 7
15. 5 r 5
16. 7
17. 3 r 21
18. 8 r 8
19. 9 r 3
20. 5 r 5

SUPPLEMENTAL PRACTICE FOR LESSON 130

1. $4\frac{1}{2}$
2. $4\frac{2}{3}$
3. $1\frac{4}{5}$
4. $4\frac{1}{2}$
5. $7\frac{4}{5}$
6. $11\frac{5}{8}$
7. $5\frac{5}{7}$
8. $13\frac{1}{2}$
9. $3\frac{7}{9}$
10. $9\frac{9}{10}$
11. $4\frac{1}{3}$
12. $1\frac{3}{4}$
13. 6
14. 7
15. $\frac{3}{8}$
16. $4\frac{3}{5}$
17. $1\frac{4}{9}$
18. 1
19. 2
20. $3\frac{2}{7}$

SUPPLEMENTAL PRACTICE FOR LESSON 131

1. 1
2. 0
3. $\frac{1}{2}$
4. $\frac{1}{4}$
5. $\frac{1}{2}$
6. $\frac{2}{3}$
7. $1\frac{1}{3}$
8. $\frac{3}{4}$
9. $1\frac{2}{5}$
10. 2
11. 4
12. $2\frac{1}{2}$
13. $10\frac{1}{3}$
14. $2\frac{1}{3}$
15. $2\frac{1}{3}$
16. $2\frac{3}{5}$
17. $3\frac{1}{3}$
18. 10
19. $12\frac{3}{5}$
20. $4\frac{1}{2}$

SUPPLEMENTAL PRACTICE FOR LESSON 132

1. $\frac{3}{3}$
2. $\frac{5}{5}$
3. $\frac{6}{6}$
4. $\frac{3}{3}$
5. $\frac{2}{2}$
6. $\frac{3}{3}$
7. $\frac{2}{2}$
8. $\frac{4}{4}$
9. 2
10. 2
11. 2
12. 4
13. 6
14. 6
15. 4
16. 6
17. 10
18. 2
19. 9
20. 8

SUPPLEMENTAL PRACTICE FOR LESSON 138

1. 23
2. 32
3. 22
4. 42
5. 31
6. 23
7. 15
8. 42
9. 15 r 1
10. 31 r 2
11. 33 r 1
12. 23 r 2
13. 25
14. 22 r 5
15. 34 r 1
16. 44
17. 22 r 5
18. 50
19. 30 r 10
20. 32

SUPPLEMENTAL PRACTICE FOR LESSON 139

1. $\frac{3}{4}$
2. $\frac{3}{8}$
3. $\frac{5}{8}$
4. $\frac{1}{8}$
5. $\frac{3}{8}$
6. $\frac{1}{6}$
7. $\frac{5}{6}$
8. $\frac{7}{8}$
9. $\frac{5}{9}$
10. $\frac{1}{6}$
11. $\frac{1}{8}$
12. $\frac{1}{10}$
13. $\frac{11}{12}$
14. $\frac{7}{10}$
15. $\frac{5}{12}$
16. $\frac{7}{10}$
17. $\frac{2}{3}$
18. $\frac{5}{8}$
19. $\frac{9}{10}$
20. $\frac{1}{12}$