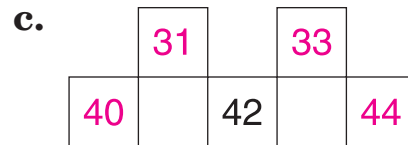
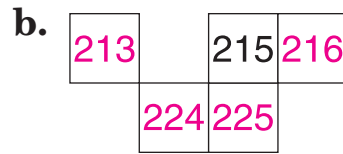
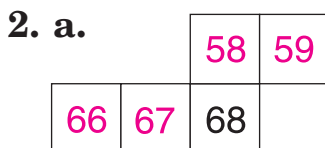


Page 5

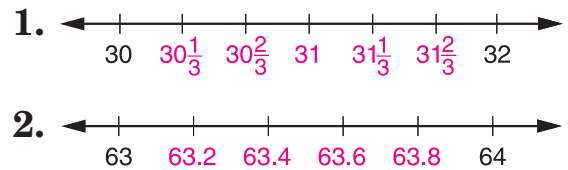
1. measure
2. code
3. count
4. location
5. comparison
6. measure
7. location
8. measure
9. count
10. comparison
11. location
12. measure
13. location
14. count
15. location
16. location

Page 9

1. a. 30
b. 25
c. 35



Page 12



Page 14

Sample answers: 3×4 ; 1.2×10 ; twelve; $3 + 3 + 3 + 3$; $12 \div 1$

Page 15

1. 9
2.

6	Sample answers:
3×2	six
$9 - 3$	$6 \div 1$
	$1 + 5$

Page 17

1. $(20 - 12) + 5 = 13$
2. $30 = 5 + (5 \times 5)$
3. $4 \times (7 + 14) = 84$
4. $16 = 2 \times (3 + 1) \times 2$

Page 21

- 152, 162, 172, 182, 192,
202, 212, 222, 232, 242
- 82,076
- a. 4,789
b. 8,890
- a. 6,671
b. 1,874
- 753

Page 23

- a. $\frac{5}{16}$
b. $\frac{2}{3}$
c. $\frac{4}{3}$
- a. $\frac{1}{2}$; one-half
b. $\frac{4}{9}$; four-ninths
c. $\frac{6}{10}$; six-tenths
d. $\frac{8}{8}$; eight-eighths

Page 25

- 1 inch
- $1\frac{1}{2}$ inches
- $1\frac{1}{4}$ inches

Page 29

Sample answers:
 $\frac{2}{3}, \frac{4}{6}, \frac{8}{12}, \frac{40}{60}, \frac{200}{300}$

Page 32

- >
- <
- =
- <
- =
- <
- close to 0
- close to 1
- close to 1
- close to 0
- close to 0
- close to 1

Page 34

- $\frac{80}{100}$; 0.80
- $\frac{65}{100}$; 0.65

Page 36

- 4.6
- 0.6
- 1.4

Page 51

1. $8 + 9 = 17$; $9 + 8 = 17$;
 $17 - 8 = 9$; $17 - 9 = 8$
2. $5 + 7 = 12$; $7 + 5 = 12$;
 $12 - 5 = 7$; $12 - 7 = 5$
3. $3 + 8 = 11$; $8 + 3 = 11$;
 $11 - 3 = 8$; $11 - 8 = 3$
4. $9 + 9 = 18$; $18 - 9 = 9$

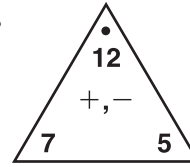
Page 53

1. $8 \times 9 = 72$; $9 \times 8 = 72$;
 $72 \div 8 = 9$; $72 \div 9 = 8$
2. $5 \times 7 = 35$; $7 \times 5 = 35$;
 $35 \div 5 = 7$; $35 \div 7 = 5$
3. $3 \times 8 = 24$; $8 \times 3 = 24$;
 $24 \div 3 = 8$; $24 \div 8 = 3$
4. $9 \times 9 = 81$; $81 \div 9 = 9$

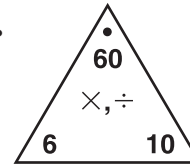
Page 55

1. a. $4 + 9 = 13$
 $9 + 4 = 13$
 $13 - 4 = 9$
 $13 - 9 = 4$
- b. $6 \times 8 = 48$
 $8 \times 6 = 48$
 $48 \div 6 = 8$
 $48 \div 8 = 6$

2. a.



b.



Page 57

1. 96
2. 122
3. 579
4. 801

Page 60

1. 38
2. 17
3. 176
4. 151

Page 63

1. 57
2. 172
3. 384
4. 372

Page 67

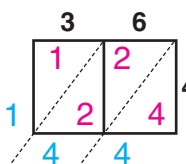
1. 32 chairs 

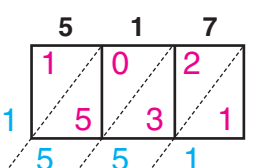
2. a. $4 \times 5 = 20$
 b. $3 \times 9 = 27$

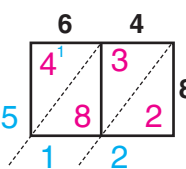
Page 69

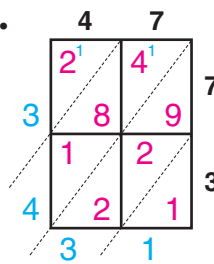
1. 222
 2. 406
 3. 11,018
 4. 2,346

Page 72

1. 
 $4 \times 36 = \underline{144}$

2. 
 $3 \times 517 = \underline{1,551}$

3. 
 $64 \times 8 = \underline{512}$

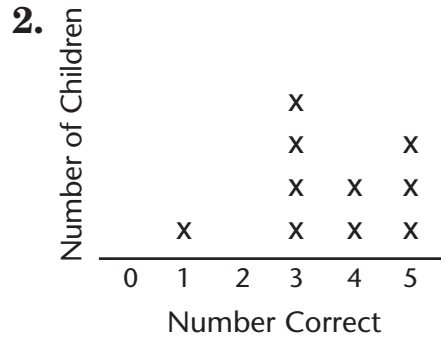
4. 
 $47 \times 73 = \underline{3,431}$

Page 76

1. 3
 2. tomato juice; water

Page 78

1. a. Friday
 b. Tuesday
 c. 4 children
 d. 25 children



Page 82

1. Minimum: 23
 Maximum: 45
 Range: 22

2. a. Minimum: 0
 Maximum: 10
 Range: 10

b. 6

c. 7

3. 6

Page 85

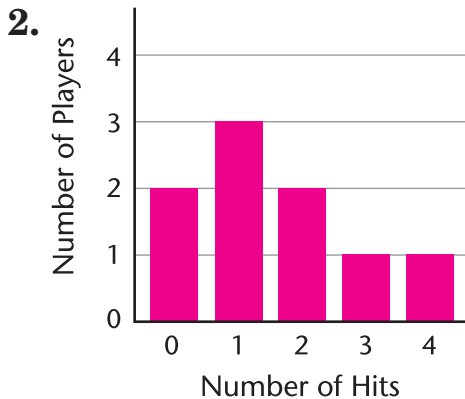
1. 16

2. 8

Page 91

1. a. 60°F
 b. 40°F
 c. Saturday and Sunday
 d. about 50°F because that is the median temperature (The mean temperature is about 50.3°F .)

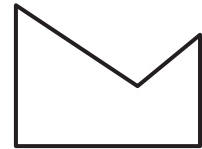
e. 7



Page 103

1. a. hexagon
 b. quadrangle or quadrilateral
 c. decagon
 d. octagon
 e. dodecagon

2. Sample answers:



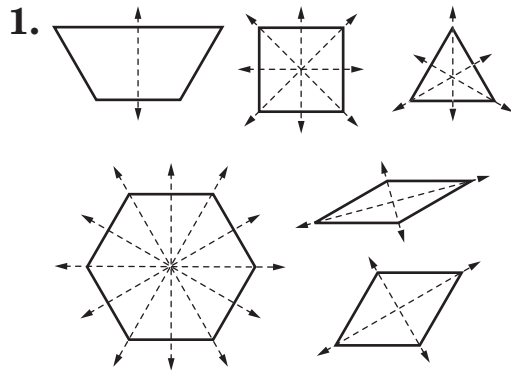
Page 111

1. 1 in.
 2. $1\frac{1}{4}$ in.
 3. $\frac{1}{2}$ in.
 4. 1 cm
 5. 3 cm
 6. 2 cm

Page 121

triangle C

Page 123



2. infinite; any line drawn through its center is a line of symmetry

Page 136

1. a. 100
b. 10
c. 1,000
2. millimeter; gram; meter; centimeter
3. a. 4-cm line segment

- b. 40-mm line segment

- c. Both line segments are the same length.

Page 142

1. 10,000 meters
2. a. 300 cm
b. 350 cm
3. 4 cm
4. meters
5. a. 2 km
b. 2,000 m
6. about 2.5 cm (25 mm), because a dime is about 1 mm thick.

Page 145

1. _____
2. $2\frac{3}{4}$ in.
3. a. $\frac{1}{2}$ in.
b. 1 in.
c. $1\frac{3}{4}$ in.
d. $2\frac{3}{8}$ in.
e. $3\frac{1}{8}$ in.
f. $3\frac{1}{2}$ in.

Page 149

1. a. 21
b. 24
c. 2
d. 72

2. 63 in.
3. 12
4. 100 yd; 300 ft
5. 6 miles

Page 151

1. 15 ft
2. 60 mm
3. 39 in.

Page 153

1. about 21 mm
2. about 63 mm
3. dime
4. about 36 in.

Page 156

1. 14 sq cm
2. 27 sq in.
3. 1 square meter, because 1 meter is longer than 1 yard (see page 142)

Page 159

1. 1 cubic meter, because 1 meter is longer than 1 yard (see page 142)

2. a. 9 cu cm
b. 10 cu in.
c. 60 cu ft

Page 161

1. a. 20
b. 4
c. 3
2. about 40 cups

Page 163

Yes. 1 pound = 16 ounces.
1 ounce equals about 30 grams.
So 1 pound equals about
 16×30 grams, or 480 grams.

Page 164

1. 1 gram; 1 ounce;
1 pound; 1 kilogram
2. a. 1
b. 1
c. 1,000
d. 0.6
e. 160
f. 4
3. the precision of the scale

Page 173

- 100
 - 32
 - 98.6
 - about 20
 - 18
- 38°F
- 80°C
- 38°F

Page 175

- before noon and after noon
- 12:00 A.M.; 2:55 A.M.; 4:15 A.M.;
10:50 A.M.; 12:00 P.M.;
3:05 P.M.; 7:30 P.M.; 9:45 P.M.
- 10 years
- 300 years
- 24
- 28
- 3,600 seconds

Page 177

- January; March; May; July;
August; October; December
- Thursday
- May 26
- Friday, June 6

Page 179

- March 21 to June 20 north
of the equator; September
22 to December 21 south
of the equator
- Houston has about 4 more
hours of sunlight than
Seward on December 22.

Page 181

- B*
 - J*
- (2,2)
 - (5,7)
- (1,2)
 - (6,4)
 - (5,0)
 - (3,1)
 - $(4, 5\frac{1}{2})$
 - $(1\frac{1}{2}, 4\frac{1}{2})$

Page 194

- 80
- 30
- 90
- 600
- 4,000
- $300 + 50 = 350$

Page 197



Page 229

1. croquet ball, basketball, bowling ball
2. bowling ball
3. yes, except for croquet balls

Page 238

1. about 500 ($2,562 - 2,072$)
2. about 600 ($896 - 272$)

Page 239

1. A, E, N, O, and T
2. J, K, Q, X, and Z
3. $82 + 130 + 65 + 80 + 25 = 382$

Page 242

1. Theodore Roosevelt
2. Ronald Reagan

Page 252

1. Each friend got 5 pennies.
2. The perimeter of the rectangle is 50 cm.
3. Each marker cost $14¢$.
4. The numbers are 3 and 4.
5. There are 14 boys in the class.

Page 257

Total	
80	
Part	Part
36	?

Ulla read for 44 minutes.

Page 266

1. 7
2. 12
3. 30
4. 8
5. 5, 8, 11, 14, 17, 20
6. 10, 8, 6, 4, 2, 0