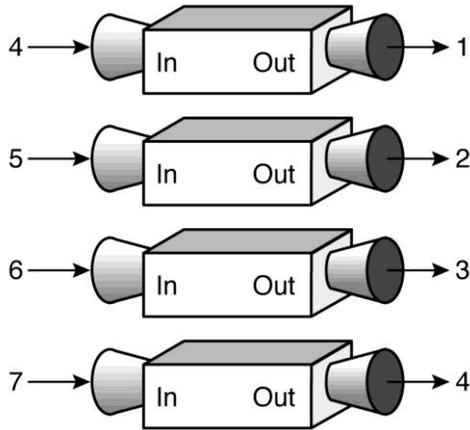3rd Grade practice test
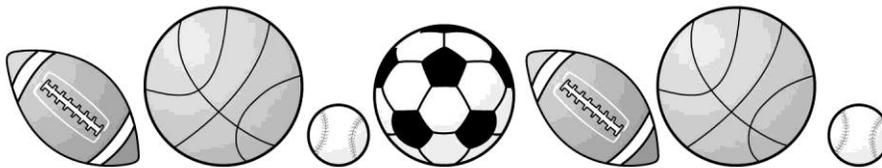objective 1.1

1. The picture below shows how a rule changes a number going into a number machine.

What is the rule for this number machine?

A   add 1

B   add 3

C   subtract 1

D   subtract 3

2. The 4 game balls shown below line up to form a repeating pattern.

If the pattern above continues, what will be the next ball in this pattern?

A

C

B

D

3. **Gloria used the rule "subtract four" to make a number pattern. Which pattern could be Gloria's number pattern?**

   A 24, 20, 16, 12

   B 17, 14, 11, 8

   C 19, 14, 9, 4

   D 31, 29, 27, 25

   Objective 1.2

4. **Kelly and John were playing a number game. When Kelly said a number, John used a rule to find another number, as shown in the table below.**

Kelly's Numbers	John's Numbers
1	3
4	6
7	9
11	13
12	14

   What is the rule John used to find his numbers?

   A multiply by 2

   B divide by 2

   C subtract 2

   D add 2

5. **Abe used an addition rule to shade some numbers and form the pattern shown below.**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

If Abe's pattern stays the same, what should be the next shaded number?

A   37

B   34

C   31

D   28

6. **Megan makes pillows. The table below shows the number of buttons she needs to make different numbers of pillows.**

Number of Pillows	Number of Buttons
3	12
7	28
12	48
15	?

Based on the numbers in the table, how many buttons will Megan need to make 15 pillows?
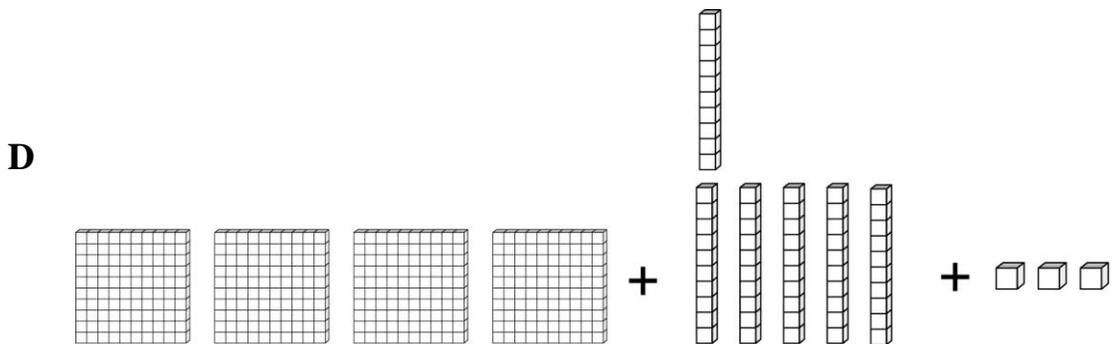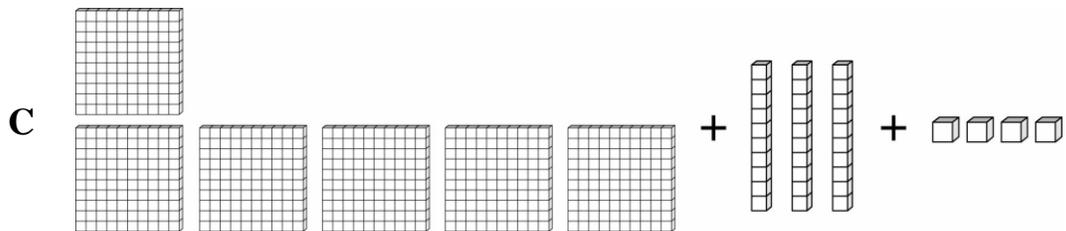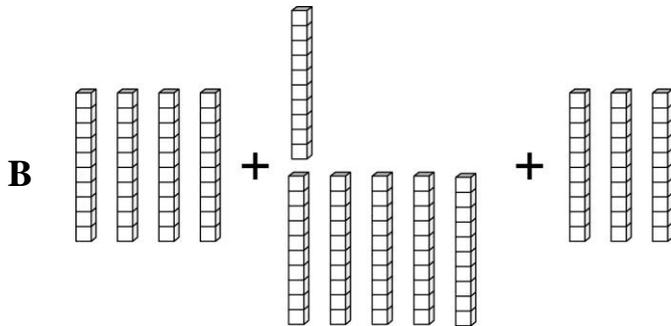
A   51

B   45

C   60

D   75

Objective 2.1a
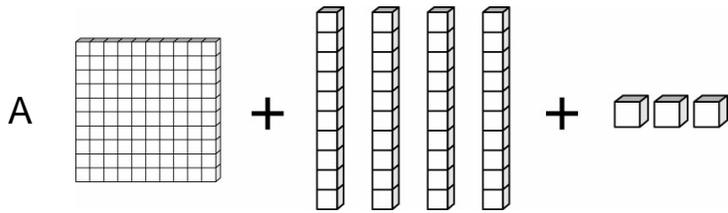
7. **Bobby used his place-value mat to show a number.**

Thousands	Hundreds	Tens	Ones
○○	○○○	○○○○○	○○○○

Which numeral below also shows Bobby's number?

A   2304

B   2350

C   2354

D   2540

8. Which picture below equals 463 ?

A

B

C

D

9. Which number below has a digit in the tens place that is greater than 4?

A 6537

B 2364

C 1928

D 4815

10. Which is equal to 3571 ?

    A $300 + 500 + 700 + 100$

    B $300 + 50 + 71$

    C $3000 + 500 + 70 + 1$

    D $3000 + 57 + 1$

11. The Concorde was the fastest jet built to carry passengers. It traveled at a speed of one thousand five hundred fifty miles per hour. What is one thousand five hundred fifty written as a numeral?

    A   155

    B   1055

    C   1500

    D   1550

12. What is 4973 written in words?

    A   four thousand nine hundred seventy-three

    B   four hundred ninety-seven

    C   four thousand nine hundred three

    D   four hundred seventy-three

13. 120 __ □ __ 152

Which symbol makes the sentence above true?

    A   <

    B   >

    C   =

    D   +

14. Which list shows three numbers in order from <u>least</u> to <u>greatest</u>?

    A   1739, 1985, 2808

    B   1739, 2808, 1985

    C   2808, 1985, 1739

    D   2808, 1739, 1985

15. Riley made this table to show her friends' weight.
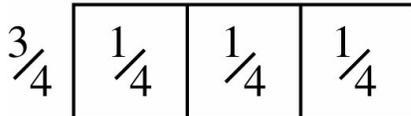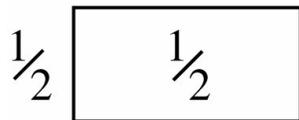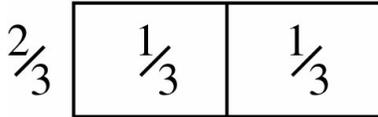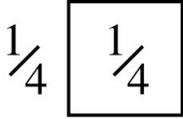
Friend's Name	Weight (ounces)
Bart	1520
Jo Jo	1360
Megan	1424

Which shows Riley's friends' weight in order from <u>heaviest</u> to <u>lightest</u>?

    A   Bart, Jo Jo, Megan

    B   Jo Jo, Megan, Bart

    C   Megan, Bart, Jo Jo

    D   Bart, Megan, Jo Jo

16. The diagram below shows how fraction strips were used to model four fractions.

Which fraction has the <u>least</u> value?

A $\dfrac{1}{4}$

B $\dfrac{2}{3}$

C $\dfrac{1}{2}$

D $\dfrac{3}{4}$

17. Joe's Pet Store had 329 angelfish, 704 guppies, and 1058 goldfish. What is the total of the 3 fish types?

    A   1033

    B   1461
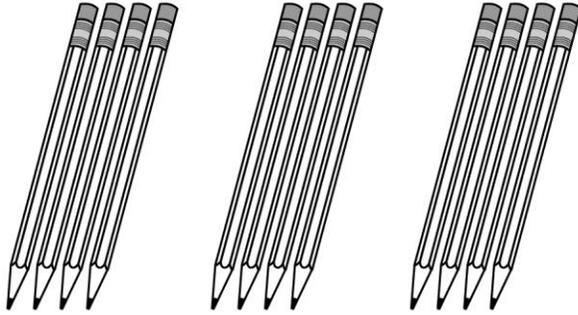
    C   2071

    D   2091

18. Today, Clara's Bakery made 283 cookies and sold 146 cookies. To the nearest ten, what is the number of cookies that are left to sell tomorrow?

    A   30

    B   40

    C   130

    D   150

19. Thomas has 152 baseball cards. His friend Mark has 129 baseball cards. How many more baseball cards does Thomas have than Mark?

    A   23

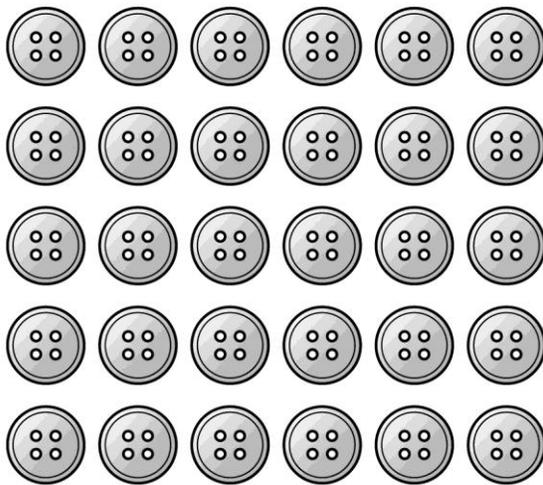   **B**   37

    C   271

    D   281

20. The pencils represent the following fact family.

$$3 \times 4 = 12$$
$$12 \div 3 = 4$$
$$12 \div 4 = 3$$

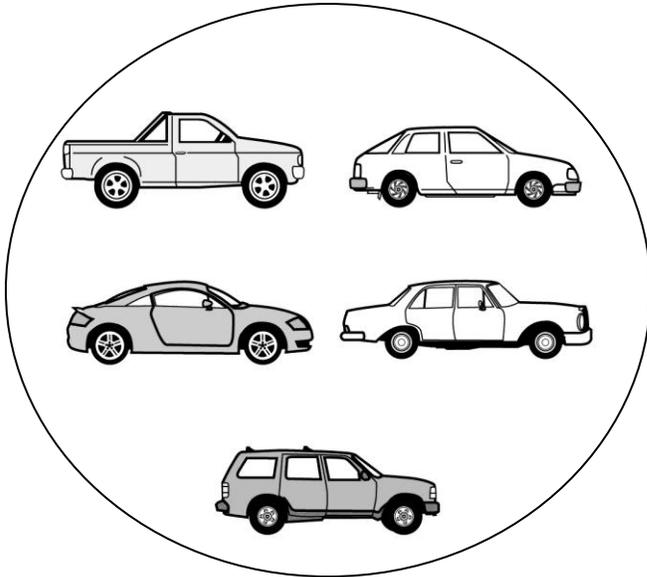**Which of** **the following also belongs to this fact family?**

A $12 \div 6 = 2$

B $4 - 3 = 1$

C $4 + 3 = 7$

D $4 \times 3 = 12$

21. Which fact shows the total number of buttons in the picture?

A $5 \times 6 = 30$

B $5 + 6 = 11$

C $5 \times 5 = 25$

D $5 + 5 = 10$

22. Terry counted toy cars in groups of 5. The picture shows one group.

Which list shows grouping by fives?

A   5, 7, 9, 11

B   5, 10, 14, 18

C   5, 10, 15, 20

D   5, 8, 10, 12

Objective 3.2c

23. Joey baked two batches of brownies. Each batch has 36 brownies. Which is <u>closest</u> to the total number of brownies Joey baked?
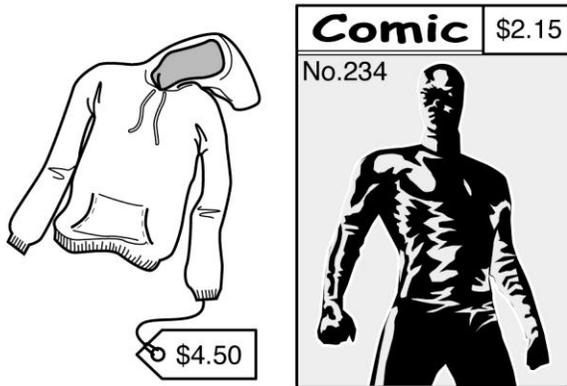
A   18

B   34

C   38

D   80

24. Joanne caught a total of 7 fish. Each fish weighed between 3 and 4 pounds. What was the total weight of all 7 fish?

A   between 10 and 20 pounds

B   between 20 and 30 pounds

C   between 30 and 40 pounds

D   between 40 and 50 pounds

Objective 3.3

**25. Anton bought a sweatshirt and a comic book. The prices are shown below.**

What is the total price for the sweatshirt and comic book?

A $2.45

B $2.60

C $3.35

D $6.65

26. Chris bought a CD for $16.95. He gave the clerk a $20 bill. How much change should he have received?

A $3.05

B $4.95

C $16.95

D $36.95

27. **Jake earned $23 washing cars. He paid his sister $9.50 for helping. What is the difference between the amount Jake earned and the amount he paid his sister?**
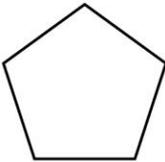
A $9.50

B $9.73

C $12.50

D $13.50
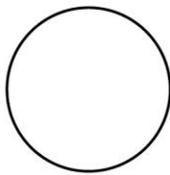
28. Which figure has four sides and four corners?

A
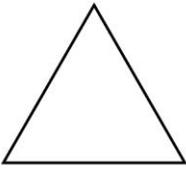
B

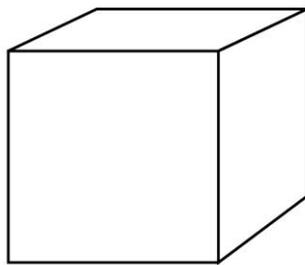C

D

29. A cube is pictured below.

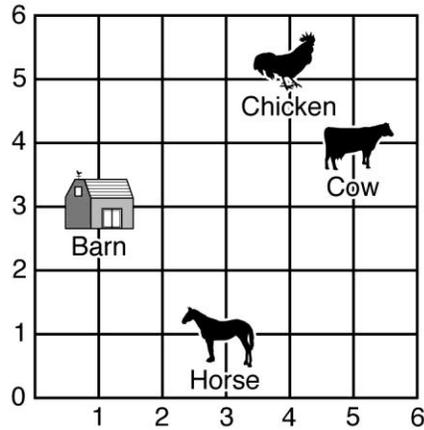**How many faces does the cube have?**
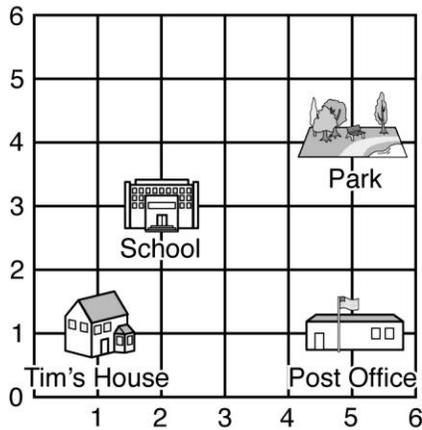
A   2

B   4

C   6

D   8

Objective 4.1b

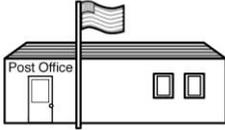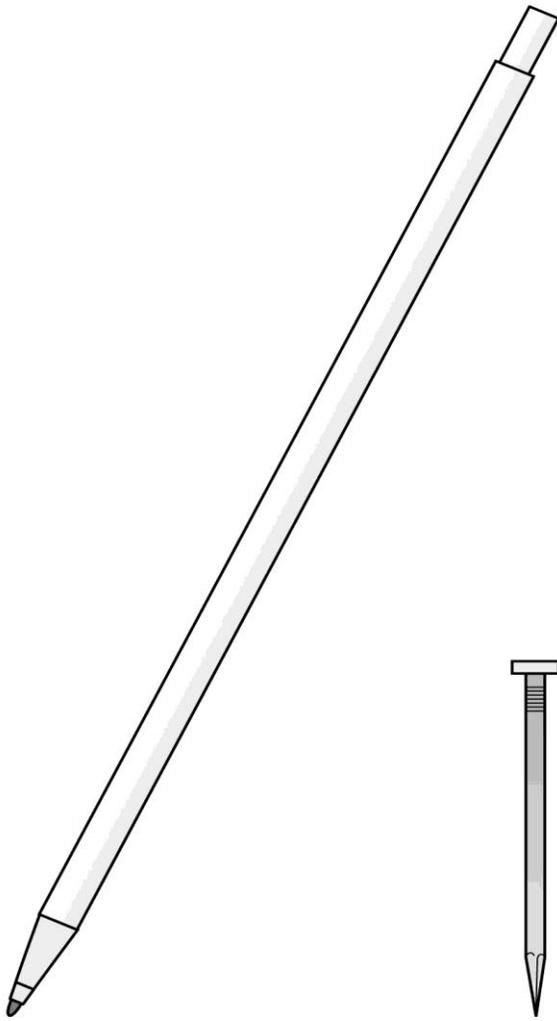**30. Which ordered pair shows the location of the chicken?**

A (1, 3)

B (3, 1)

C (4, 5)

D (5, 4)

31. Tim started walking from his house. On the map, he went to the right 4 spaces and then up 3 spaces. What is his location?
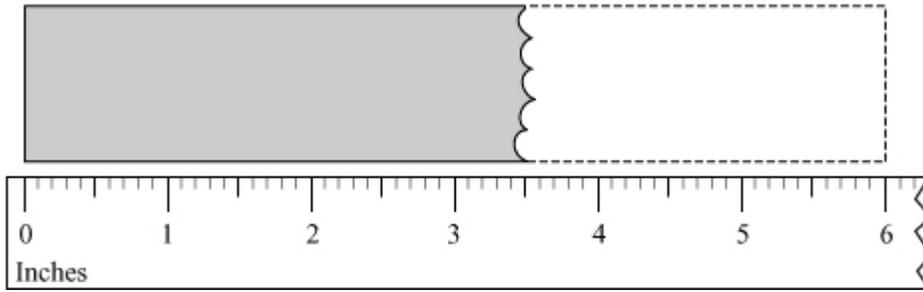

A

B

C

D

32. The nail is <u>about</u> two inches long. About how long is the pen?

    A   3 in.

    B   4 in.

    C   5 in.

    D   6 in.

33. Gail ate part of a candy bar. The shaded area in the picture below shows how much is left.

To the nearest half-inch, how much of the bar has Gail already eaten?

A $1\frac{1}{2}$ inch

B $2\frac{1}{2}$ inch

C $3\frac{1}{2}$ inch

D $4\frac{1}{2}$ inch

Objective 4.2b
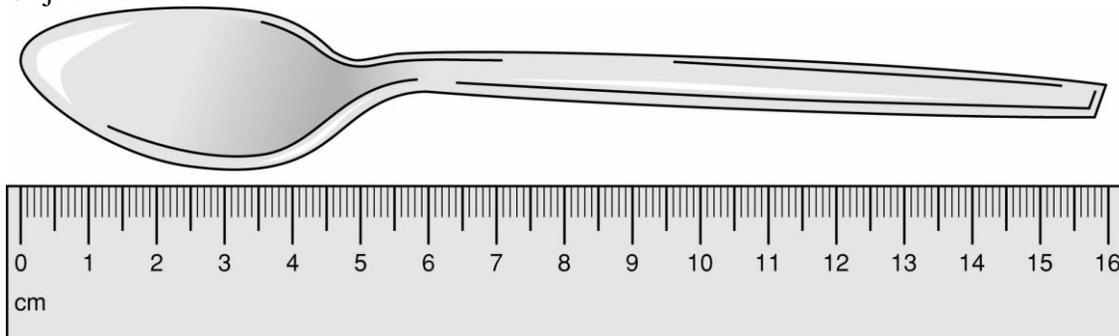
34. Which is the length, in centimeters, of the spoon?

    A   10 cm

    B   12 cm

    C   14 cm

    D   16 cm
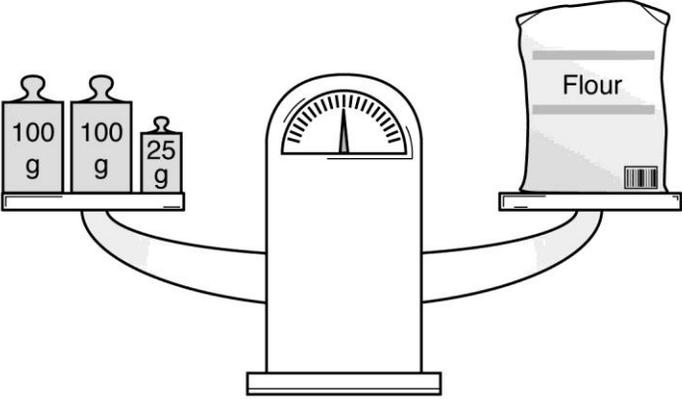
35. The scale above is balanced. What is the mass, in grams, of the flour?

A   2.25 g

B   22.5 g

C   225 g

D   2250 g

36. Which is the length, in centimeters, of this toy car?
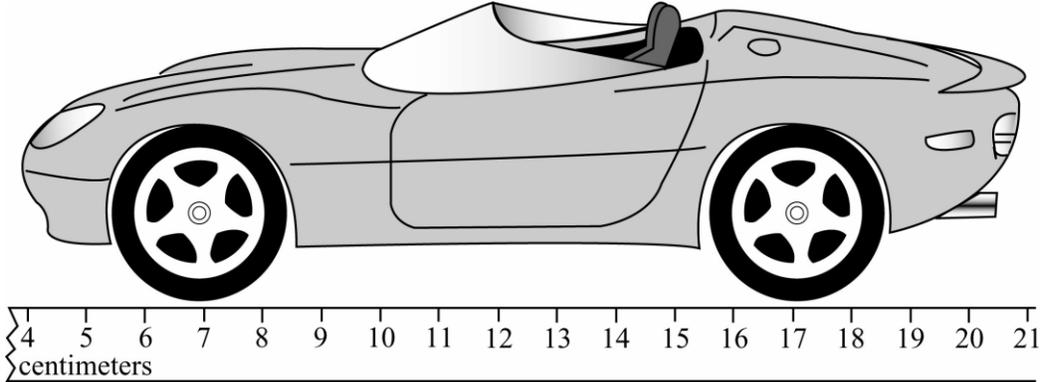
A 25 cm

B 21 cm

C 17 cm

D 12 cm
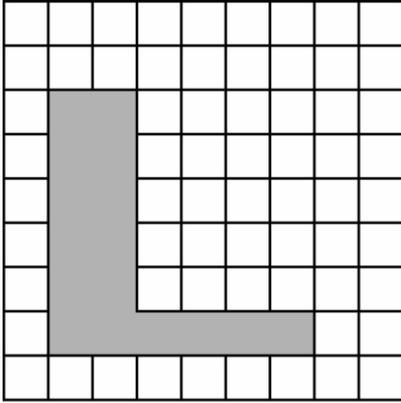
= 1 unit

37. What is the perimeter of the figure on the grid in units?

   A   16 units

   B   21 units

   C   22 units

   D   24 units
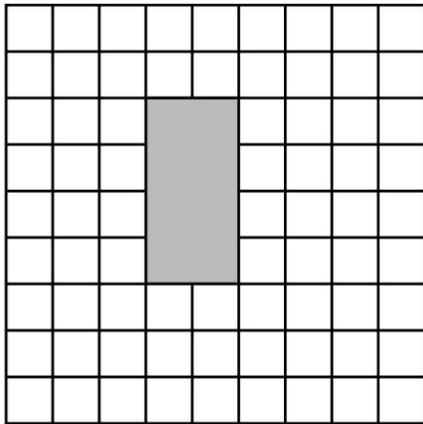
= 1 square unit

38. How many square units equal the area of the shaded figure in the picture above?

   A   4 sq units

   B   6 sq units

   C   8 sq units

   D   12 sq units
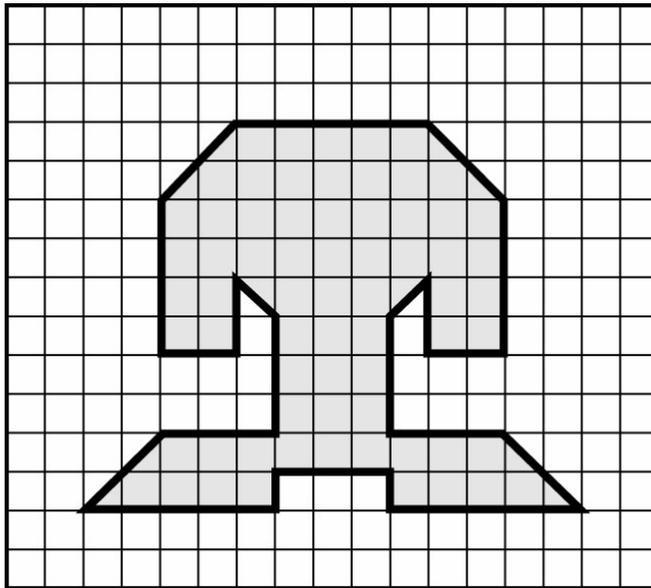
39. How many square units are used to make the figure above?

A   79 sq units

B   74 sq units

C   72 sq units

D   64 sq units

Objective 4.4

40. Bob will leave for school at the time shown on the clock above. What time does the clock show?

A   7:45

B   8:09

C   8:45

D   9:08

41. **One day in McAllister, the high temperature was 56 °F. Which thermometer best shows 56 °F?**

A

°F 70
65
60
55
50
45

C

°F 70
65
60
55
50
45

B

°F 70
65
60
55
50
45

D

°F 70
65
60
55
50
45
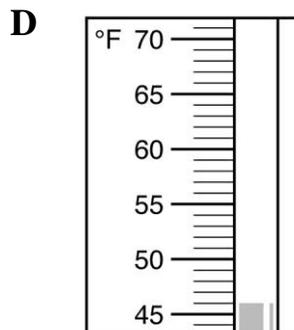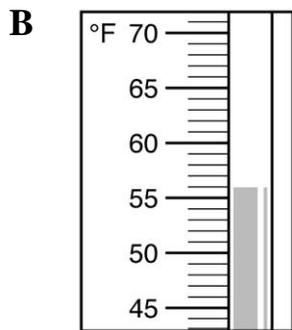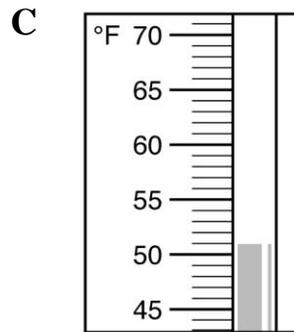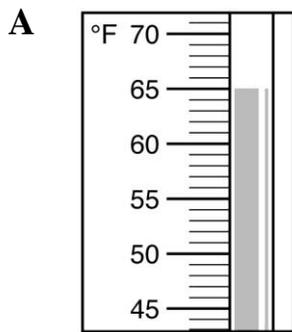
42. **The temperature at lunchtime was 60 ºF. By bedtime, the temperature dropped 35 ºF. What was the temperature at bedtime?**

A   25 ºF

B   35 ºF

C   85 ºF

D   95 ºF

43. For Oliver, lunchtime begins at 12:30. He has 45 minutes to eat lunch.

At what time is Oliver's lunchtime finished?

A   12:45

B   1:00

C   1:15

D   1:30

Objective 5.1b

44. The graph shows how many sweaters Lisa sold during 4 months.

Sweaters Sold

Number of

Sweaters

Month
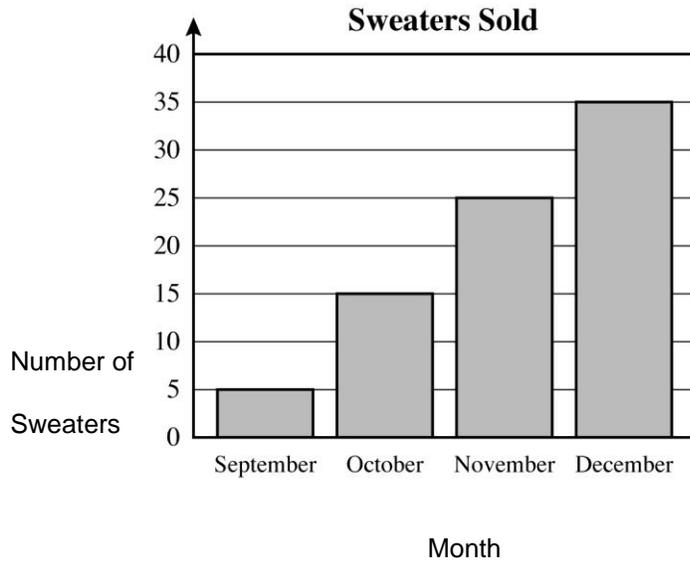
How many more sweaters did Lisa sell in November than in September?

A   30

B   20

C   15

D   10

45.   How many total tickets were sold in weeks 2 and 4?

Week	Number Sold
1	18
2	22
3	38
4	52
5	86

A   30   C 72

B   60   D 74

46. How many cupcakes were sold in all during Monday and Tuesday?

Number of Cupcakes Sold

Day	Number Sold
Monday	🧁 🧁 🧁
Tuesday	🧁 🧁 🧁 🧁
Wednesday	🧁 🧁
Thursday	🧁 🧁 🧁 🧁 🧁
Friday	🧁 🧁 🧁 🧁 🧁 🧁 🧁

Each 🧁 = 10 cupcakes

A   6

B   7

C   60

D   70

47. Based on the information in the graph, the type of dessert ordered most in a restaurant would <u>most likely</u> be?

Favorite Type of Dessert

Cake 19%

Ice Cream 25%

Cookies 18%

Pie 18%
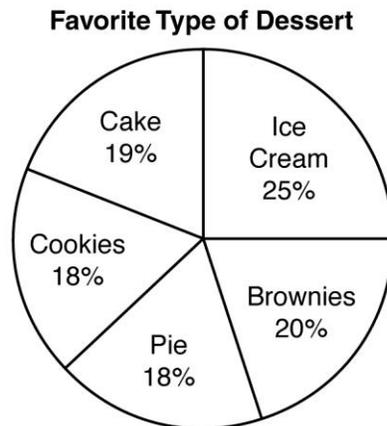
Brownies 20%

A   brownies.

B   cake.

C   cookies.

D   ice cream.

Books Read in April

Name	Number of Books Read
Peggy	卌 l
Mark	lll
Alice	卌
Ben	llll

48. Which bar graph correctly shows the information in the chart?

A

B

C
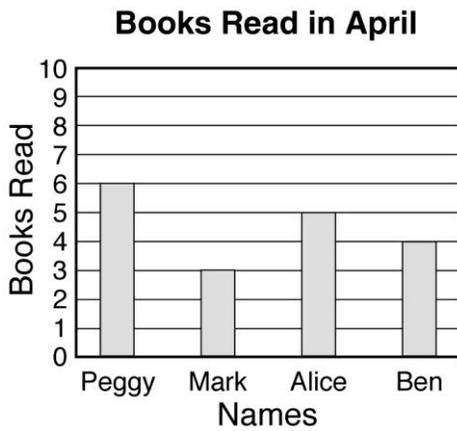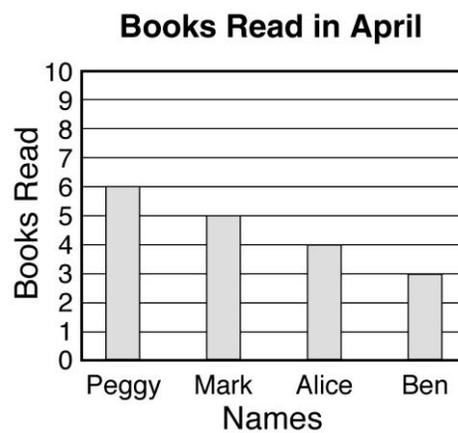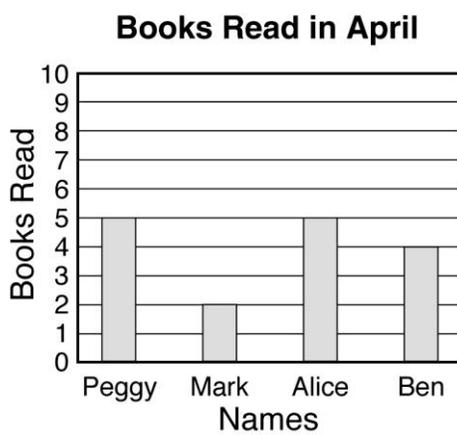
D
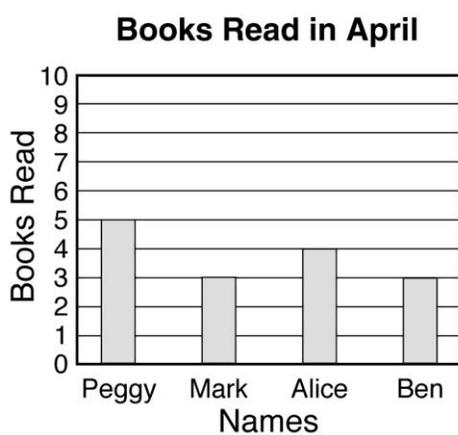
Colors of Balloons

Color	Number of Balloons
Red	🎈🎈🎈🎈🎈
Yellow	🎈🎈
Blue	🎈🎈🎈🎈
Green	🎈

Key: 🎈 = 2 balloons

49. Which table below shows the same information as in the pictograph?

A

Color	Number of Balloons
Red	15
Yellow	6
Blue	12
Green	3

C

Color	Number of Balloons
Red	5
Yellow	2
Blue	4
Green	1

B

Color	Number of Balloons
Red	10
Yellow	4
Blue	8
Green	2

D

Color	Number of Balloons
Red	12
Yellow	4
Blue	10
Green	2

50. Meredith has a flower garden. The table shows how many of each flower Meredith has in her garden.

Meredith's Garden

Flower	Number of Flowers
roses	20
tulips	16
pansies	30
daisies	46

Which pictograph below shows the same information as in the table?

A

Meredith's Garden

Flower	Number of Flowers
Roses	❀❀❀❀❀
Tulips	❀❀❀❀
Pansies	❀❀❀❀❀❀❀
Daisies	❀❀❀❀❀❀❀❀❀❀❀

❀ = 4 Flowers

B

Meredith's Garden

Flower	Number of Flowers
Roses	❀❀❀❀❀
Tulips	❀❀❀❀
Pansies	❀❀❀❀❀❀❀⬦
Daisies	❀❀❀❀❀❀❀❀❀❀❀⬦

❀ = 4 Flowers

C

Meredith's Garden

Flower	Number of Flowers
Roses	❀❀❀❀
Tulips	❀❀❀❀❀❀⬦
Pansies	❀❀❀❀❀❀❀
Daisies	❀❀❀❀❀❀❀❀❀❀❀

❀ = 4 Flowers

D

Meredith's Garden

Flower	Number of Flowers
Roses	❀❀
Tulips	❀❀❀❀❀❀
Pansies	❀❀❀❀❀⬦
Daisies	❀❀❀❀❀❀❀❀❀⬦

❀ = 4 Flowers

51.On which numbered space is the arrow <u>most likely</u> to land after one spin?
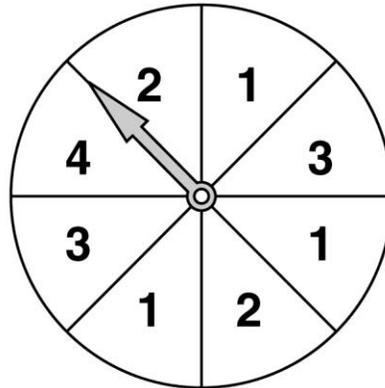
A   1

B   2

C   3

D   4

52. A gumball machine has four different colors of gumballs inside. The picture below shows how many of each are in the gumball machine.

R = Red	B = Blue
Y = Yellow	G = Green

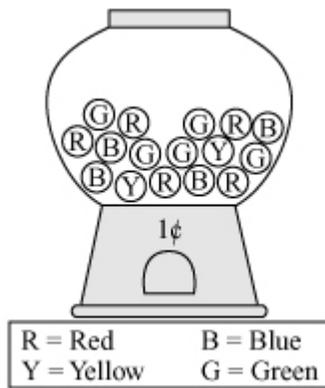**Based on the numbers shown, which color of gumball is <u>most likely</u> to come out next?**

A   red

B   blue

C   either red or green

D   either blue or yellow

53. Megan's classmates are allowed to choose one snack every Friday. The table shows the number of each snack chosen by the students last Friday.

Snack	Number Chosen
ice cream	15
brownies	18
chips	24
cookies	12

Last Friday, if a student were picked at random, which snack would he or she <u>most likely</u> have chosen?

A   ice cream

B   brownies

C   chips

D   cookies

Objective 5.2b

54. Kylie has 3 colored boxes that she wants to stack one upon another.

Red	Blue	Purple

In how many different orders can Kylie stack the boxes?

A 2

B 3

C 6

D 9

55. Jane has 3 animal figures.

Which lists all possible ways of putting these three animal figures in order from left to right?

A   monkey, lion, elephant
       lion, monkey, elephant
       elephant, monkey, lion
       monkey, elephant, lion
       lion, elephant, monkey
       elephant, lion, monkey

B   monkey, lion, elephant
       lion, monkey, elephant
       elephant, monkey, lion

C   monkey, lion, elephant
       lion, monkey, elephant
       elephant, lion, lion
       monkey, elephant, lion
       lion, monkey, monkey
       elephant, lion, monkey

D   monkey, elephant, lion
       lion, elephant, monkey
       elephant, lion, monkey

56. How many choices of one 1 cake flavor and one 1 icing flavor can be made with the information in the table?

Cake	Icing
chocolate	chocolate
vanilla	white
strawberry	strawberry

A   9

B   7

C   6

D   3

Answer sheet

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

29. C
30. C
31. D
32. D
33. B
34. D
35. C
36. C
37. D
38. C
39. C
40. A
41. B
42. A
43. C
44. B
45. D
46. D
47. D
48. A
49. B
50. B
51. A
52. C
53. C
54. C
55. A
56. A