1. What is the area of the large square?

5 cm

5 cm
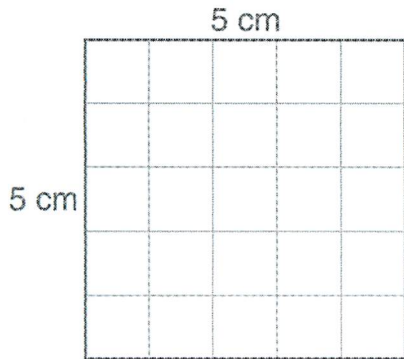
Area = length × width

5 × 5 = 25

    A. 5 square centimeters
    B. 10 square centimeters
    C. 20 square centimeters
    (D.) 25 square centimeters

2. Which of these units is the best unit for measuring the distance between Georgia and California?

    A. meter
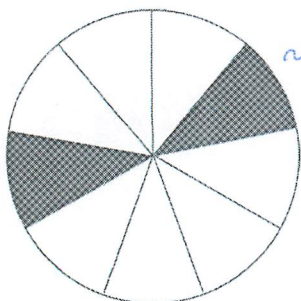   B. millimeter
    C. centimeter
    (D.) kilometer

3. Which fraction shows the part of the circle that is shaded?

A. $\frac{2}{9}$

B. $\frac{2}{8}$

C. $\frac{2}{7}$

D. $\frac{7}{9}$

4. Helen is an amateur photographer. She keeps her photographs in special notebooks. Each notebook holds 125 photos. If Helen has 600 photographs, how many notebooks does she need?

A. 7 notebooks

B. 6 notebooks

C. 5 notebooks

D. 4 notebooks

5. Which information is needed to solve the problem in the box?

Carlotta has $6.45. She buys a stuffed animal. How much money does she have left?

A. how much the animal costs

B. how much Carlotta's allowance was

C. how much change Carlotta gets back

D. how much the animal weighs

6. While on the playground, Willis, Paula, and Ann each started at a water fountain, walked 20 feet in different directions, and stopped. If several other students do the same thing, which figure will the group of students make?

   A. circle
   B. rectangle
   C. square
   D. parallelogram

7. Which of the following is a conclusion you could make from the graph?

How Much Soda People Drink
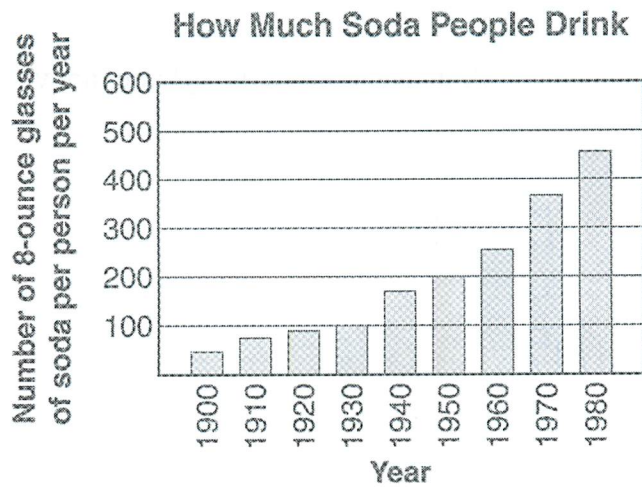
   A. Since 1900, the amount of soda people drink has increased every decade.
   B. People did not drink soda before 1900.
   C. People drink twice as much soda today as they did 80 years ago.
   D. Soda is cheaper than 80 years ago.

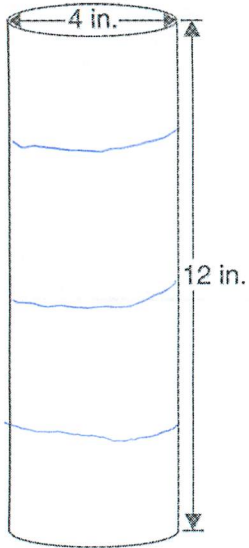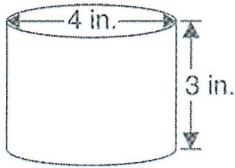*Use the illustration below to answer question 8*

8.   How many of the cylinders below will it take to make the cylinder above?

$$12 \div 3$$

$$3 \overline{)12} = 4$$

A. 2

B. 3

C. 4

D. 5

9. Which number belongs in the box?

$17 + 25 = 25 + \square$

A. 8

B. 17

C. 25

D. 42

84
× 6

A. 484

B. 494

C. 504

D. 4,824

---

11. Which number makes the sentence true?

$(36 \times 8) \div \square > 72$

A. 2

B. 5

C. 6

D. 7

---

12. Which number sentence shows the identity property?

A. $23 + 1 = 24$

B. $23 \times 1 = 23$

C. $23 + 10 = 33$

D. $23 \times 10 = 230$

---

13. The Pancake House offers plain, blueberry, and cinnamon pancakes. They also provide four types of syrup: maple, blueberry, boysenberry, and strawberry. An order consists of one type of pancake and one syrup. How many different orders can be made?

(handwritten) syrup → P   B   C   ← Pancakes

A. 3   m   X   X   X

B. 4   bl   X   X   X

C. 7   bo   X   X   X

D. 12 *(circled)*   st   X   X   X

14. The length of a fence around the outside of a park is the same as the park's

A. area.

B. diameter.

C. perimeter. *(circled)*

D. volume.

15. Five students who each had rock collections formed a club and brought their rocks to the first meeting. How many rocks were brought to the meeting?

(handwritten)
```
 1 1
 258
 100
  64
  51
  10
 -----
 483
```

The Great Rockers Collections	
Shelly	10
Dale	51
Robert	64
Melissa	100
Tom	258

A. 375

B. 382

C. 473

D. 483 *(circled)*

16. Which shows the Distributive Property?

$3 \times (4 + 2) = ?$

  A. 3×6
  B. $(3 \times 4) \times (3 + 2)$
  C. 3×8
  D. $(3 \times 4) + (3 \times 2)$

17. Divide.

$9{,}072 \div 21 =$

  A. 470
  B. 461
  C. 452
  D. 432

$$
\begin{array}{r}
432 \\
21\overline{)9072} \\
84 \\
\hline
67 \\
63 \\
\hline
42 \\
42 \\
\hline
0
\end{array}
$$

$$
\begin{array}{ccc}
21 & 21 & 21 \\
\times 4 & \times 3 & \times 2 \\
\hline
84 & 63 & 42
\end{array}
$$

Use the picture below to answer question 18.
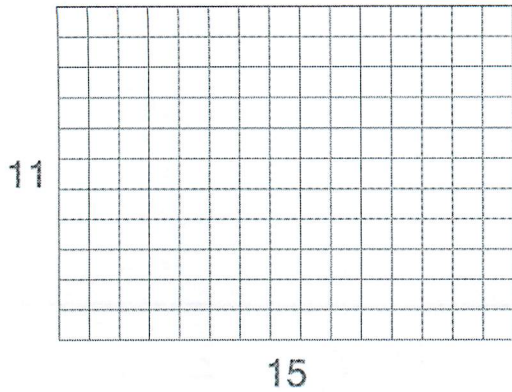
18. Mr. Detucci put new tiles on his kitchen floor. The tiles are 1 foot by 1 foot and the floor is 11 feet by 15 feet. How many tiles did Mr. Detucci use to cover the whole floor?
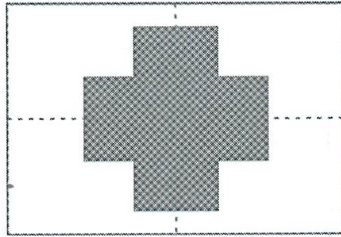
A. 26

B. 52

C. 126

D. 165
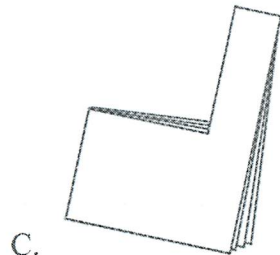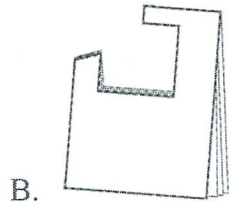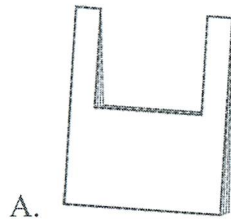
Kenji folded a piece of paper in half and then in half again. He cut out a shape and threw it away. This is how the paper looked when he unfolded it.

19. Which shows how his paper looked before he unfolded it?

A.

B.

C.

D.
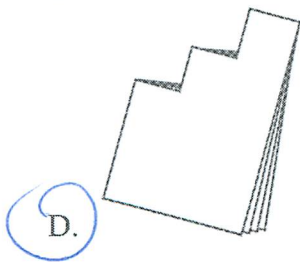
20. Which is the average number of hours the students study per week as shown in the chart?

Study Time

Student	Number of Hours per Week
Habib	4
Debbie	10
Jeff	2
Marta	4

$4 + 10 + 2 + 4 = \dfrac{20}{4} = 5$

A. 2
B. 4
C. 5
D. 7

21. In one weekend, a class of 30 students read a total of 1,000 pages. If 10 students read a total of 379 pages, how many pages did the other 20 students read?

A. 621
B. 731
C. 1,621
D. 1,731

$$1000 - 379 = 621$$

22. What number should go in the box to make the number sentence true?

$1,382 - \Box = 903$

A. 479
B. 679
C. 1,681
D. 2,285

$$1382 - 903 = 479$$

23. Which symbol makes the number sentence true?

$180 \ \square \ 12 = 15$

A. $+$
B. $-$
C. $\times$
D. $\div$

(handwritten)
$180 - 12 = 168$
$180 + 12 = 192$
$180 \times 12 = 2160$
$180 \div 12 = 15$ ✓

24. Fred plays a number game on his computer. When he enters any number, the computer changes it to a new number according to a secret rule. The table shows some examples for one secret rule.

Fred's Number	Computer's Number
1	4
3	8
7	16
10	22

(handwritten)
$1 \times 2 + 2 = 4$
$3 \times 2 + 2 = 8$
$7 \times 2 + 2 = 14$
$10 \times 2 + 2 = 22$

Which BEST describes this secret rule?

A. Double Fred's number, then double it again.
B. Multiply Fred's number by 3, then add 1.
C. Double Fred's number, then add 2.
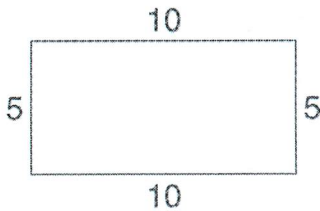D. Choose the next even number greater than Fred's number.

Use the figure below to answer question 25.

25. In the figure above, points labeled *A* through *G* are spaced evenly along a line. Which distance is the greatest?

   A. from *A* to *D* ⁻3
   B. from *F* to *C* ⁻3
   C. from *E* to *G* ⁻2
   D. from *E* to *A* ⁻4

26. What is the area of this rectangle?

   A. 15 square units
   B. 25 square units
   C. 30 square units
   D. 50 square units

27. Nadine and Chandra were playing a game against each other. Here are the scores.

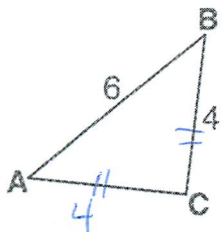|	Nadine's Score	Chandra's Score
Game 1	8 points	7 points
Game 2	3 points	6 points
Game 3	7 points	3 points
Game 4	5 points	7 points
Total	23 points	23 points

6-3 = 3

7-5 = 2

Which game did Nadine LOSE by the most points?

A. Game 1

B. Game 2

C. Game 3

D. Game 4

Use the figure below to answer question 28

28. An isosceles triangle is a triangle that has 2 equal sides. △ABC is an isosceles triangle. Which of the following could be the perimeter of the triangle ABC?

A. 10

B. 12

C. 14

D. 20

Use the picture below to answer question 29.
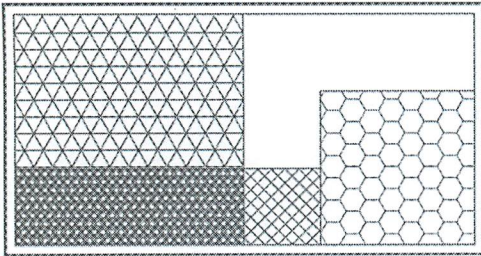

29. Mary played a computer game called "Rectangle." Which piece below should she use to complete the rectangle shown?

A.

B.

C.

D.

30. Which number is ten thousand seven hundred twenty?

10720

A. 17,200
B. 17,020
C. 10,720
D. 10,702