

1 Which distance is **shortest**?

- A 100 centimeters
- B 100 kilometers
- C 100 meters
- D 100 millimeters

2 Look at the number pattern below.

88, 96, 104, 112, ___

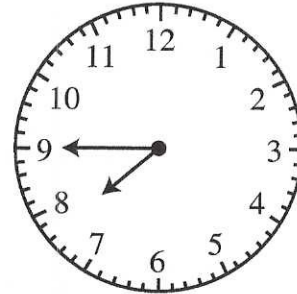
The pattern continues. Which number is next in the pattern?

- A 124
- B 120
- C 118
- D 113

3 What is 4,954 rounded to the nearest hundred?

- A 4,900
- B 4,950
- C 5,000
- D 5,050

4 Johanna left her house at 7:45 A.M., as shown on the clock below.



Johanna took exactly 20 minutes to get to school. What time did she arrive at school?

- A 8:00 A.M.
- B 8:05 A.M.
- C 8:10 A.M.
- D 8:15 A.M.

5 Look at the four numbers shown below.

55,457 55,546 54,456 54,547

Abby listed the four numbers in order from **greatest** to **least**. What was the **second** number in Abby's list?

- A 55,457
- B 55,546
- C 54,456
- D 54,547

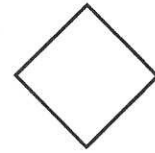
- 6** Dana's gumball machine is filled with 18 yellow gumballs, 7 green gumballs, and 5 red gumballs. Which **best** describes the chance that the next gumball randomly dropped from Dana's machine will be colored yellow?

A certain
 B impossible
 C likely
 D unlikely

- 7** Ms. Hughes has \$26.00 . She plans to give each of her 4 children an equal amount of the money. What is the **greatest** amount of money Ms. Hughes can give each child?

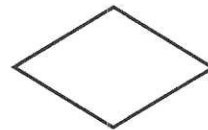
A \$6.75
 B \$6.50
 C \$5.20
 D \$5.00

- 8** Tammy drew the polygon shown below.

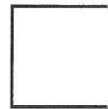


Ivan drew a polygon that is similar, but **not** congruent, to Tammy's polygon. Which could be Ivan's polygon?

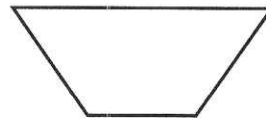
A



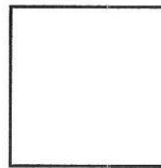
B



C



D



- 9** Noah and Mark are playing a game. Each boy starts the game with 15 points. At the end of the game, Noah had won 3 points and lost 2 . Mark had lost 3 points and won 2 . Which number sentence correctly compares the number of points Noah and Mark had at the end of the game?

A $15 + 3 - 2 = 15 - 3 + 2$
 B $15 + 3 - 2 < 15 - 3 + 2$
 C $15 + 3 - 2 > 15 - 3 + 2$
 D $15 + 3 - 2 \wedge 15 - 3 + 2$

Write your answer to Question 10 on a separate sheet of paper. Be sure to answer Parts A and B.

10 The distance from Lori's house to her school is 2 miles.

A What is the distance, in yards, from Lori's house to her school? Show your work.
(1 mile = 1,760 yards)

B The distance from Jamie's house to the same school is **greater** than the distance from Lori's house to the school.

Write a distance, in feet, that could be the distance from Jamie's house to the same school. Show your work. (1 yard = 3 feet)

11 Find the quotient: $588,444 \div 6$

- A 9,474
- B 9,874
- C 94,744
- D 98,074

12 A case of juice has 12 bottles. Amy buys a case of juice each week. Which list shows the total number of bottles Amy will have bought by the end of each week for 4 weeks?

- A 12, 36, 48, 50
- B 12, 24, 36, 48
- C 12, 24, 34, 44
- D 12, 22, 32, 42

13 A number is missing in the number sentence below.

$$\underline{\quad} \times 12 = 132$$

What number makes the number sentence true?

- A 11
- B 12
- C 21
- D 22

14 Ms. Linden bought a pen for \$2.85, an eraser for \$0.25, and a pencil for \$1.33 . What is $\$2.85 + \$0.25 + \$1.33$?

- A \$3.43
- B \$3.44
- C \$4.34
- D \$4.43

15

Ms. Wong made a pictograph to show the results of a class election. Each of Ms. Wong's 20 students voted once. The pictograph below shows the number of votes Albert, Brooke, and Callie received. David received the rest of the votes.

Class Election

Student	Number of Votes
Albert	× × ×
Brooke	× × × /
Callie	× /
David	

Key
× = 2 votes

Which shows the number of votes David received in the class election?

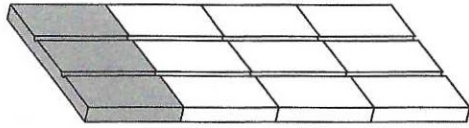
A × ×

B × × × ×

C × × × × × × ×

D × × × × × × × × × × × ×

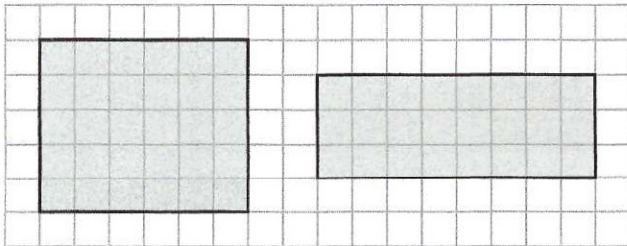
- 16** A chocolate bar has 12 equal-sized pieces. The shaded part of the diagram below shows the pieces that Joey ate.



What fraction of the chocolate bar did Joey eat?

- A $\frac{9}{12}$
 B $\frac{6}{12}$
 C $\frac{4}{12}$
 D $\frac{3}{12}$

- 17** Look at the two shaded rectangles on the grid below.



Which statement best compares the areas and the perimeters of the two rectangles?

- A The rectangles have equal areas and equal perimeters.
 B The rectangles have equal areas and different perimeters.
 C The rectangles have different areas and equal perimeters.
 D The rectangles have different areas and different perimeters.

- 18** A number is missing in the number sentence below.

$$6 + \underline{\quad} = 13$$

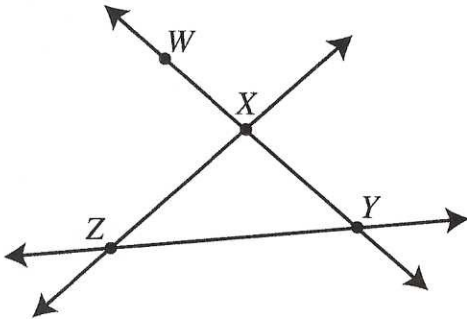
What number is missing?

- A 5
 B 7
 C 9
 D 11

- 19** At the beginning of a school year, a P.E. teacher had 125 tennis balls for the students to use. Each month, about 6 tennis balls were lost. Which is the **best ESTIMATE** of the total number of tennis balls the P.E. teacher had after 6 months?

- A 25 to 35 tennis balls
 B 90 to 100 tennis balls
 C 105 to 115 tennis balls
 D 120 to 130 tennis balls

- 20** Points W , X , Y , and Z are located on three intersecting lines, as shown below.



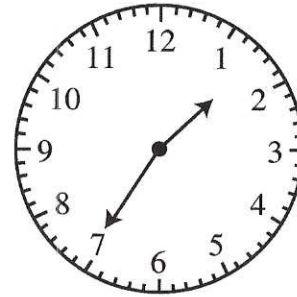
Which two rays do **not** intersect?

- A ray WX and ray XY
- B ray ZX and ray WY
- C ray XW and ray ZY
- D ray XZ and ray YZ

- 21** Subtract: $806 - 749$

- A 57
- B 63
- C 143
- D 167

- 22** Marta took 20 minutes to eat her lunch. After she ate, she played outside for 15 minutes, and then came back inside at 1:35 P.M., as shown on the clock below.



What time did Marta start eating lunch?

- A 12:00 P.M.
- B 12:10 P.M.
- C 1:00 P.M.
- D 1:20 P.M.

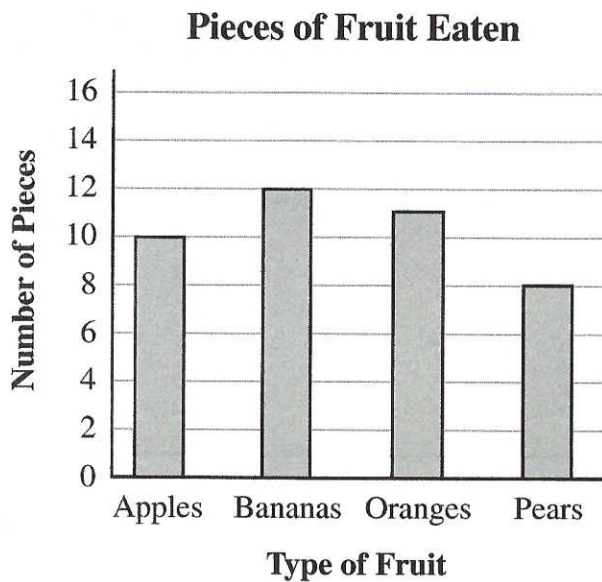
- 23** Two numbers are missing in the number pattern shown below.

17, 21, 25, __, __, 37, 41

What numbers complete the pattern?

- A 30 and 35
- B 29 and 33
- C 28 and 33
- D 26 and 27

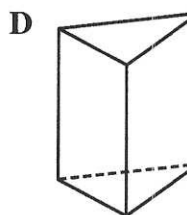
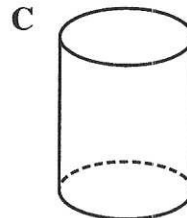
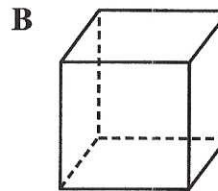
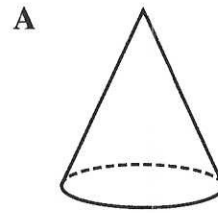
- 24** The bar graph below shows the total number of pieces of fruit eaten in a week by the students in Mr. Wilson's class.



Based on the graph, which type of fruit was eaten the **most**?

- A** apples
B bananas
C oranges
D pears
- 25** There were 1,097 children who visited a dinosaur museum. Each child received 5 dinosaur stickers. What is the total number of dinosaur stickers the children received?
- A** 5,485 stickers
B 5,605 stickers
C 9,085 stickers
D 9,535 stickers

- 26** Which geometric figure has exactly 5 faces?



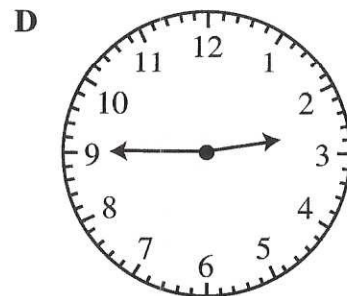
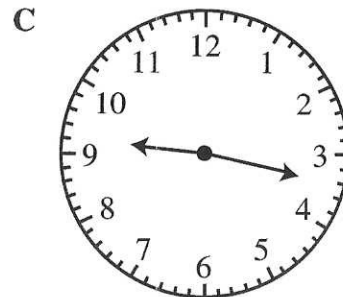
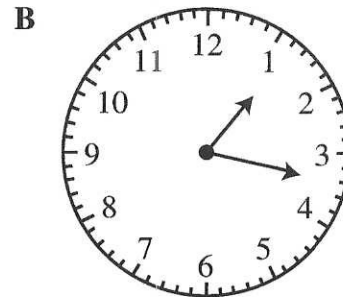
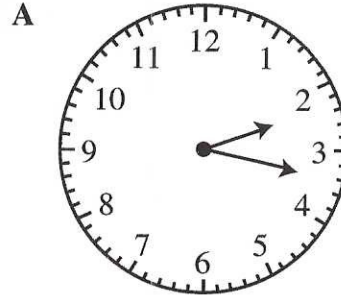
27 Find the product: $\$101.46 \times 7$

- A \$707.82
- B \$709.82
- C \$710.22
- D \$773.22

28 Mr. Miller has 8 packs of special paper for class art projects. Each pack contains 240 sheets of paper. He separates the paper into 5 equal-sized piles. What is the total number of sheets of special paper in each pile?

- A 424 sheets
- B 384 sheets
- C 150 sheets
- D 60 sheets

29 Which clock shows 2:17 ?



Write your answer to Question 30 on a separate sheet of paper. Be sure to answer Parts A, B, and C.

30

Kenny is playing a game with a special number cube. The faces of the cube are numbered 1, 2, 2, 3, 3, and 3. Kenny rolls the cube and looks at the number on the top face.

- A Which number is **least likely** to be on the top face of the cube on Kenny's roll? Explain your thinking.
- B Which word (unlikely, likely, impossible, or certain) **best** describes the chance that Kenny's roll shows a number less than 4 on the top face? Explain your thinking.
- C Describe a roll of the cube that is **impossible** for Kenny to roll. Explain your thinking.

31

What is the standard form of $400,000 + 30,000 + 500 + 2$?

- A 430,502
B 430,052
C 403,502
D 403,052

32

The numbers below are the first five numbers in a pattern.

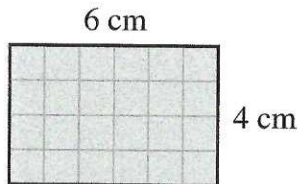
5,184 1,728 576 192 64

Which rule could have been used to create the pattern?

- A add 3,456 to the previous number to get the next number
B subtract 3,456 from the previous number to get the next number
C multiply the previous number by 3 to get the next number
D divide the previous number by 3 to get the next number



- 33** A rectangle is 6 centimeters (cm) long and 4 cm wide, as shown below.



What is the area of the rectangle?















- A 48 cm²
- B 24 cm²
- C 20 cm²
- D 10 cm²


- 34** What number, written in words, is “two hundred thirty-three thousand twenty-three”?

- A 23,233
- B 23,323
- C 203,323
- D 233,023

- 35** The pictograph below shows the number of boats seen on a lake during one weekend.

Number of Boats on a Lake during One Weekend

Fri	  
Sat	     
Sun	    

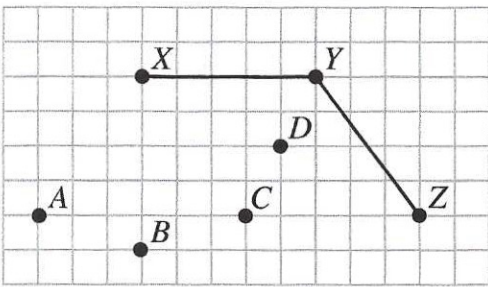
Key	
	= 9 boats

Which list shows the total number of boats seen on the lake each day from Friday through Sunday?

- A 27, 54, 45
 - B 18, 36, 30
 - C 12, 15, 14
 - D 3, 6, 5
- 36** Jim is buying a toy that costs \$0.99 . He had 9 pennies and then found 15 more pennies in his room. Jim’s mother gave him some more coins to make exactly \$0.99 . Which could be all the coins Jim received from his mother?
- A 9 dimes and 9 pennies
 - B 4 quarters and 24 pennies
 - C 2 quarters and 5 nickels
 - D 1 dime and 12 nickels

- 37** Jake feeds his horse between 7 pounds and 8 pounds of special food each day. Which is the **best ESTIMATE** of the amount of special food Jake feeds his horse in 30 days?
- A between 50 pounds and 60 pounds
 - B between 70 pounds and 80 pounds
 - C between 100 pounds and 200 pounds
 - D between 200 pounds and 250 pounds

- 38** Kayla used grid paper to draw two sides of a rhombus with vertices X, Y, and Z, as shown below.



Which point appears to be the fourth vertex of Kayla's rhombus?

- A point A
- B point B
- C point C
- D point D

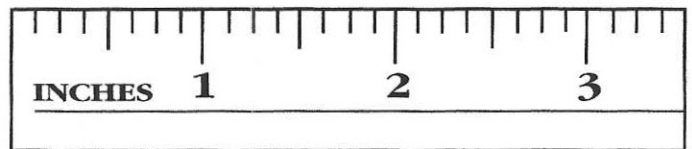
- 39** A symbol is missing in the number sentence below.

$$9 \bigcirc 8 < 12$$

Which symbol could be placed in the \bigcirc to make the number sentence true?

- A +
- B <
- C -
- D =

- 40** Use the ruler in the diagram below to measure the length of the paper clip to the nearest $\frac{1}{2}$ inch.



What is the length of the paper clip?

- A $2\frac{1}{2}$ inches
- B 2 inches
- C $1\frac{1}{2}$ inches
- D 1 inch