

**1**

$1000 + 400 + 60 =$

- A** 146
- B** 1 406
- C** 1 460
- D** 14 600

**2**

$470 - 84 =$

- A** 386
- B** 394
- C** 396
- D** 416

**3**

Sum is to addition as product is to

- A** division
- B** dividend
- C** subtraction
- D** multiplication

**4**

$$\frac{3 \overline{)3}}{3} =$$

- A** 1
- B** 2
- C** 3
- D** 4

**5**If  $\blacksquare + \blacksquare + \blacksquare = 12 + 9$ , then

- A**  $3 \times \blacksquare = 21$
- B**  $3 \times 21 = \blacksquare$
- C**  $3 \times \blacksquare = 21 - 12$
- D**  $3 \times \blacksquare = 21 - 9$

**6**

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

**A**  $\frac{1}{12} - \frac{3}{12}$

**B**  $\frac{1}{12} - \frac{9}{12}$

**C**  $\frac{4}{12} - \frac{3}{12}$

**D**  $\frac{4}{12} - \frac{9}{12}$

**7**

$$3 \blacktriangle 7 + 236 = \blacktriangle 03 \quad \text{Then } \blacktriangle \text{ represents}$$

**A** 0

**B** 5

**C** 6

**D** 7

**8**

Which gives the same result as  $35 \times 20$  ?

**A**  $35 \times 10 + 2$

**B**  $35 \times 10 \times 2$

**C**  $30 + 5 \times 10 \times 2$

**D**  $30 \times 5 \times 20$

**9**

$$5 + (6 \times 2) =$$

**A** 17

**B** 22

**C** 40

**D** 60

10

Which number needs to be added to **129** + **53** to get **300**?

- A 18
- B 118
- C 128
- D 182

11

The **difference** between two numbers is **16**. Which of these can be the two numbers?

- A 2 and 8
- B 1 and 15
- C 1 and 16
- D 0 and 16

12

Which gives a value that is **different** from the others?

- A  $2 \times 0.5$
- B  $0.2 \times 5$
- C  $2.0 \times 0.5$
- D  $0.2 \times 0.5$

13

Which is the next number in the series

**0.124, 1.24, 12.4,**

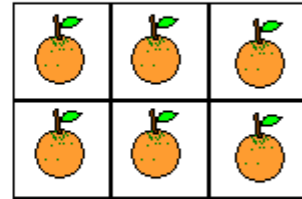
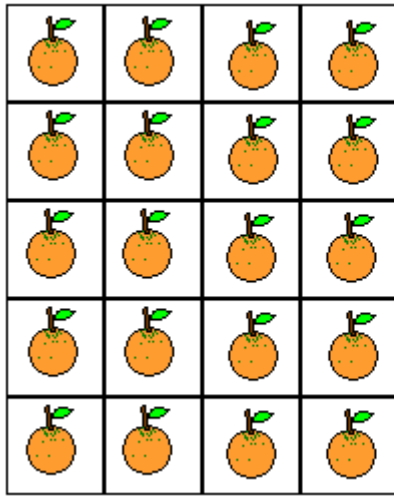
- A 0.124
- B 120.4
- C 124.0
- D 1240.0

14

$349 - 99$  gives the same value as

- A  $350 - 100$
- B  $350 - 98$
- C  $348 - 100$
- D  $348 - 101$

The diagram below shows two crates containing oranges. Use the information to answer item 15.



15

Susan has 5 of each crate. Which of the expressions below gives the total number of oranges she has?

- A  $(20 + 6) + 5$
- B  $(5 \times 6) + 20$
- C  $(20 + 5) \times 6$
- D  $(20 + 6) \times 5$

16

Received from:	<u>John Brown</u>
The sum of:	<u>Two hundred and twenty eight dollars and fifty cents</u>
\$	<u>X</u>

What number should be written in place of **X** in the box above?

- A 228.05
- B 228.50
- C 2 028.50
- D 20 028.50

17

What is the value of the underlined digit in 46 546?

- A 5
- B 50
- C 500
- D 5 000

18

Which is **TRUE** about the number that is three more than 199?

- A Three less than 202
- B Two more than 200
- C Two less than 200
- D Three more than 202

19

Which of the following gives the correct expanded notation for;  
**Two thousand six hundred and twenty**

- A  $200 + 60 + 20$
- B  $2000 + 600 + 20$
- C  $2000 + 60 + 20$
- D  $2000 + 600 + 2$

20

There are **5** halves in  $2\frac{1}{2}$ . Which of these numbers has **EXACTLY 5** quarters?

- A  $1\frac{1}{4}$
- B  $2\frac{1}{2}$
- C 5
- D  $5\frac{1}{4}$

21

Each statement about odd and even numbers is **TRUE EXCEPT?**

- A** odd  $\times$  odd = odd
- B** even  $\times$  even = even
- C** even + even = even
- D** odd + odd = odd

22

Which of the following gives the same result as  $0.5 \times 0.3$  ?

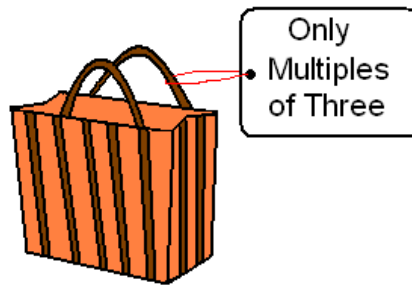
- A**  $\frac{1}{5} \times \frac{1}{3}$
- B**  $\frac{1}{2} \times \frac{1}{3}$
- C**  $\frac{1}{2} \times \frac{3}{10}$
- D**  $\frac{1}{2} \times \frac{1}{10}$

23



25% of the price of the book shown is \$40.00. What is  $\frac{1}{4}$  of the price of the book?

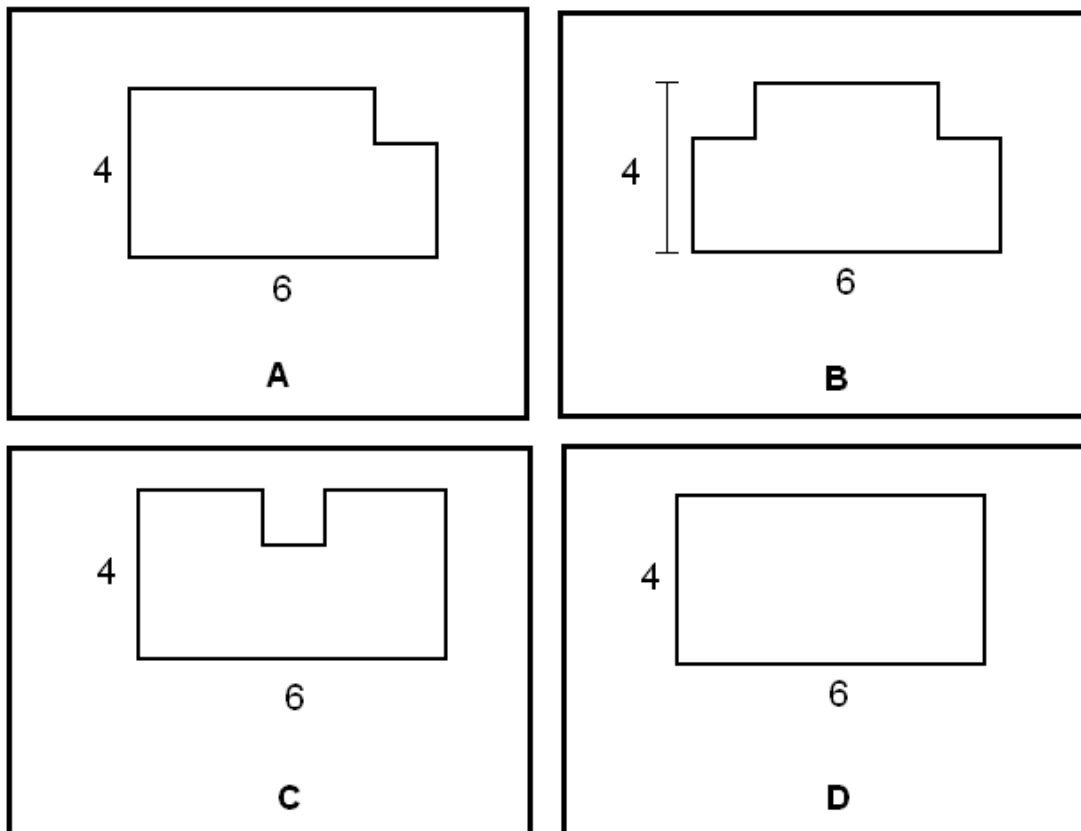
- A** \$ 10.00
- B** \$ 40.00
- C** \$120.00
- D** \$160.00



Sita pulls a number from this bag and exclaims, “*this is also a multiple of 4 and 5*”! Which of these could be the number that is pulled from the bag?

- A 20
- B 30
- C 40
- D 60

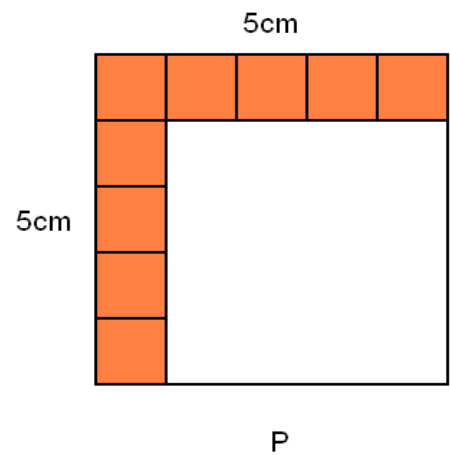
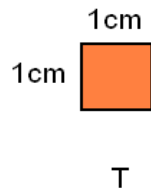
The perimeter of one of the shapes below is different from the others. Which shape is it?



26

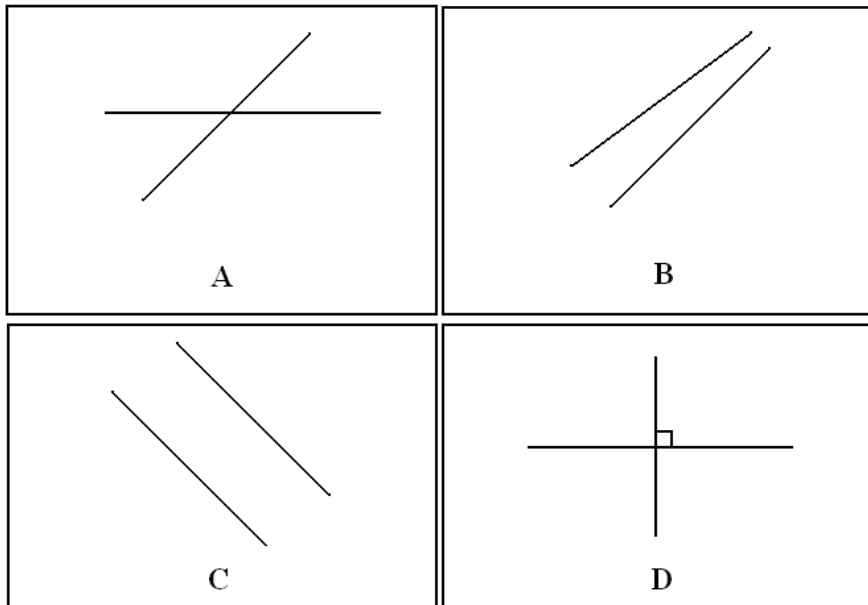
How many **more** of shape **T** are needed to completely cover the inside of shape **P**?

- A** 9  
**B** 16  
**C** 20  
**D** 25



27

Which diagram shows a pair of perpendicular lines?



28



In the triangle above the sum of angles **x** and **y** is less than  $90^\circ$ .  
 What type of angle is **z**?

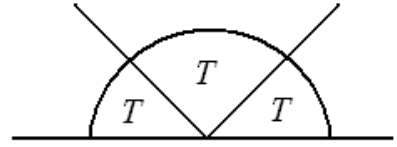
- A** acute  
**B** right angle  
**C** obtuse  
**D** reflex



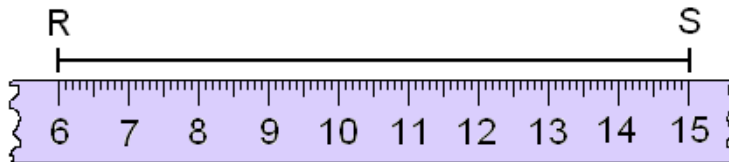
29

Which statement about the three angles shown is **TRUE**?

- A  $T + T + T = 60^\circ$   
 B  $T + T + T = 90^\circ$   
 C  $T + T + T = 180^\circ$   
 D  $T + T + T = 360^\circ$



30



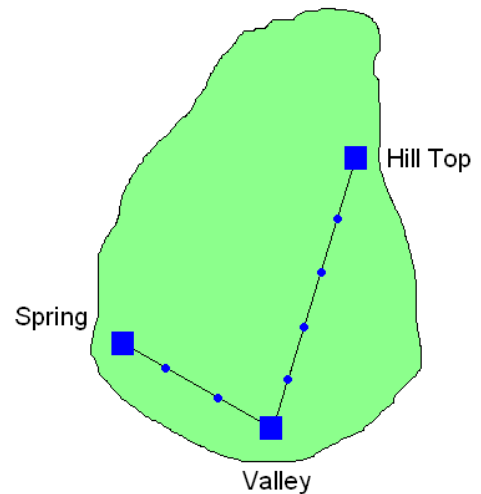
What is the length of **RS** in the above picture ?

- A 9 cm  
 B 10 cm  
 C 15 cm  
 D 21 cm

31

On the map shown the actual distance from Spring to Valley is **15 km**. What is the distance from Valley to Hill Top?

- A 5 km  
 B 20 km  
 C 25 km  
 D 30 km



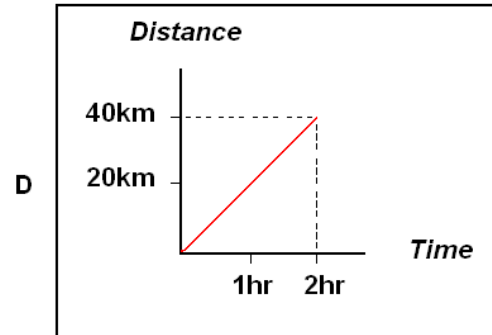
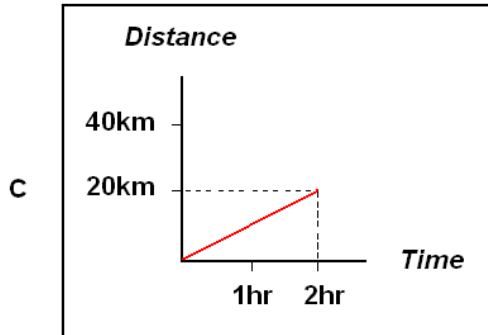
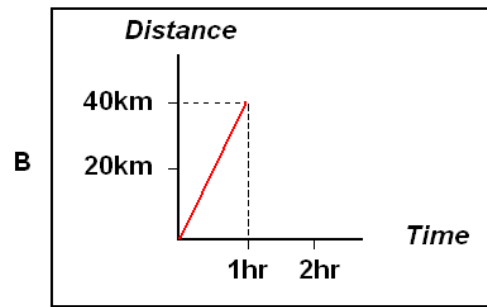
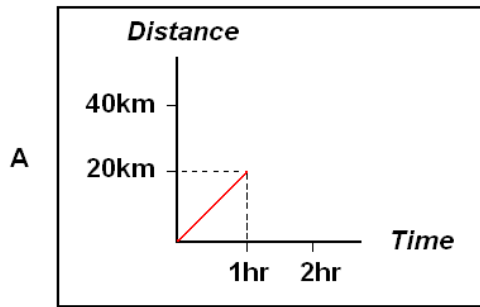
32

Four tins of milk were bought for \$10.00 and sold for \$3.00 each. What is the total profit made?

- A \$ 2.00  
 B \$ 7.00  
 C \$12.00  
 D \$22.00

33

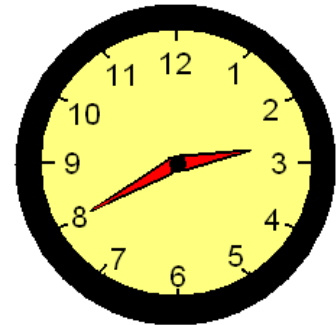
A taxi travels a distance of 40 kilometres at constant speed of 30 km per hour. Which graph **BEST** shows this information?



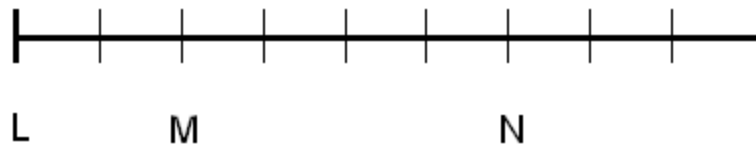
34

Mary started exercising at 2:15 pm, and finished at the time shown on the clock. For how long did she exercise?

- A 20 minutes
- B 25 minutes
- C 30 minutes
- D 40 minutes



35



The marks on the line are the same distance apart. The distance from *L* to *M* is 2.5 metres. What is the distance from *L* to *N*?

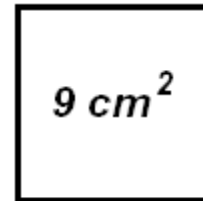
- A 6.0 m
- B 7.5 m
- C 15.0 m
- D 17.5 m

36 1000 grams = 1 kg, therefore 1 gram is equal to

- A 0.000 1 kg
- B 0.001 kg
- C 0.01 kg
- D 0.1 kg

37 A square has an area of 9 square centimetres.  
Its perimeter is

- A 3 cm
- B 9 cm
- C 12 cm
- D 36 cm

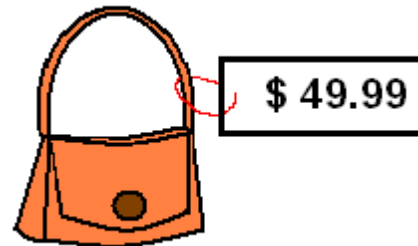


38 Which gives the cheapest rate?

- A 1 for \$ 3.00
- B 3 for \$ 8.00
- C 4 for \$10.00
- D 5 for \$13.00

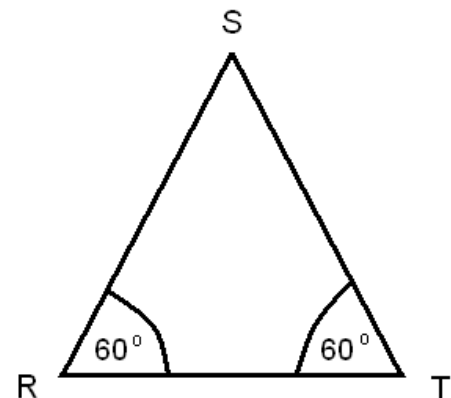
39 The bag shown costs \$49.99. Which gives the **BEST** estimate for the cost of 800 such bags?

- A  $\$40.00 \times 800$
- B  $\$45.00 \times 800$
- C  $\$49.00 \times 800$
- D  $\$50.00 \times 800$



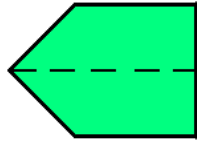
40 In triangle RST, angle R =  $60^\circ$  and angle T =  $60^\circ$ .  
What type of triangle is RST?

- A Equilateral
- B Scalene
- C Obtuse angled
- D Right angled

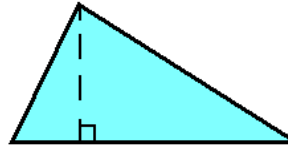


41

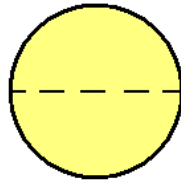
In which figure shown below is the dotted line a diagonal?



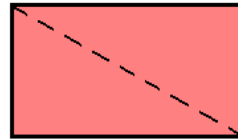
A



B



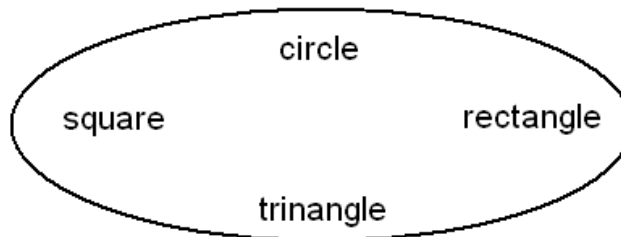
C



D

42

### POLYGONS



John draws the loop above to show members of the set of polygons. All of the following should be in the loop **EXCEPT**

- A circle
- B square
- C rectangle
- D triangle

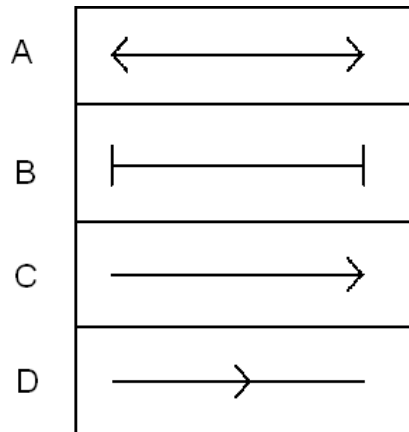
43

Which statement is **TRUE** of a right angled triangle?

- A Its three angles are right angles
- B It has a pair of parallel lines
- C One of its angles is obtuse
- D It has a pair of perpendicular lines

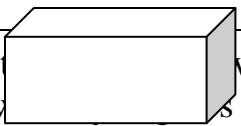
44

Which of the following drawings **BEST** represents a line?

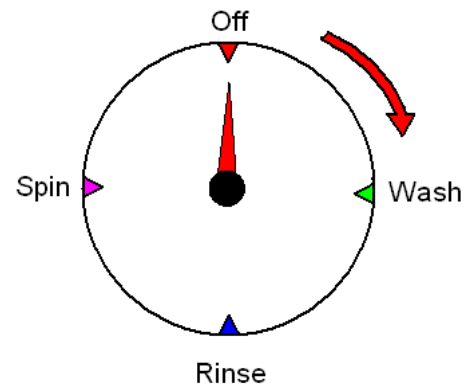


45

The pointer turned in the direction from *Off* to *Spin*. Through how many degrees did the pointer turn?



- A 45°
- B 180°
- C 270°
- D 360°



46

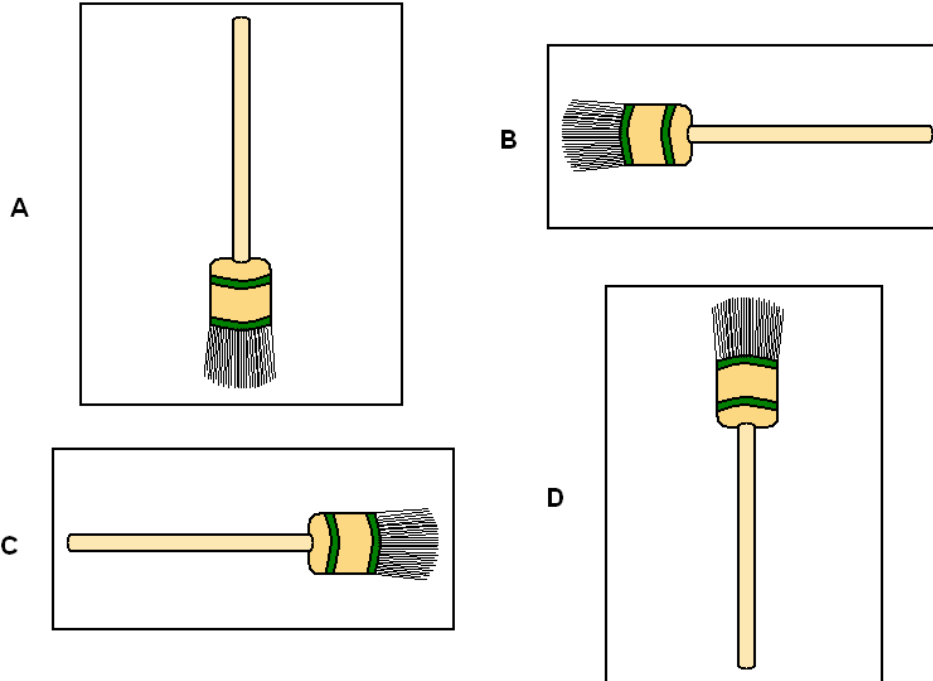
How many faces does this solid shape have?

- A 3
- B 6
- C 8
- D 12

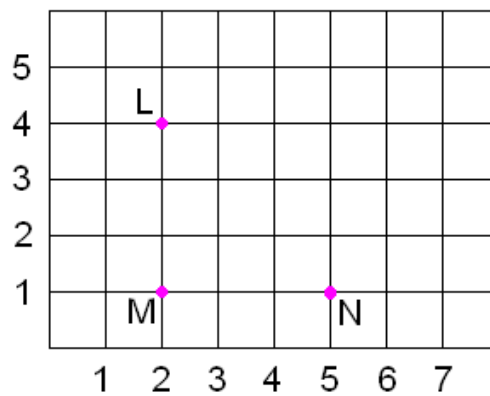
47



The broom shown above is rotated  $180^\circ$ . Which figure shows the new position of the broom?



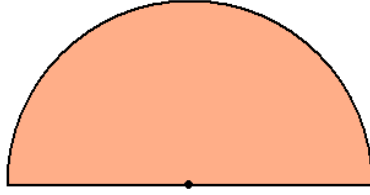
48



The points  $L$ ,  $M$ ,  $N$  are three vertices of a square. What are the coordinates of the other vertex?

- A** (5, 4)
- B** (4, 5)
- C** (5, 3)
- D** (4, 3)

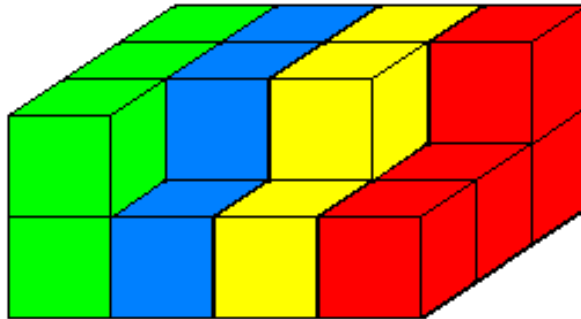
49



How many lines of symmetry does the above semi-circle have?

- A 0
- B 1
- C 2
- D 4

Questions 50 and 51 are based on the figure shown. The figure is made up of a number of unit cubes packed together.



50

The number of unit cubes in the figure is?

- A 14
- B 18
- C 20
- D 24

51

How many more unit cubes are needed to turn the figure into a cuboid?

- A 1
- B 2
- C 3
- D 4

Use the table of scores given below to answer questions 52 and 53.

6, 7, 9, 6, 12

52 When arranged in order of size, the middle score is ?

- A 6
- B 7
- C 8
- D 9

53 The most popular score is

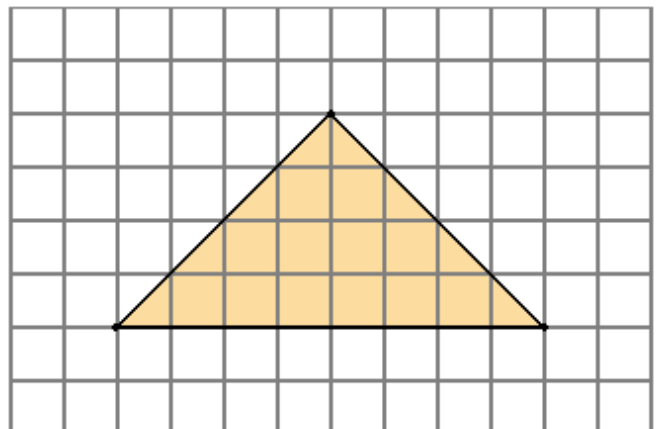
- A 6
- B 7
- C 8
- D 9

54 The range is the difference between the highest and lowest values in a set of numbers. Which of these sets of numbers has a range of 5?

- A (1, 2, 3, 4, 5)
- B (1, 2, 3, 5, 5)
- C (1, 3, 5, 6, 7)
- D (1, 3, 4, 5, 6)

55 Which is the **BEST** estimate for the area of the triangle on the right?

- A 10 square units
- B 12 square units
- C 16 square units
- D 20 square units





The table below shows the number of bottled drinks sold at Martin's school during a four-day period. Use **this table to answer questions 56, 57 and 58.**

Day	No. Sold
Mon	85
Tue	93
Wed	92
Thurs	90
K	360

**56** Which of these words is **MOST** suitable to be placed in the cell marked **K**?

- A total
- B frequency
- C maximum
- D average

**57** Which list shows the days arranged in order from the **least sales to the greatest sales**?

- A Mon, Tues, Wed, Thurs
- B Tues, Wed, Thurs, Mon
- C Mon, Thurs, Wed, Tues
- D Thurs, Wed, Tues, Mon

**58** The mean (average) number of drinks sold over the four-day period is?

- A 90
- B 91
- C 93
- D 360

Use Table Q shown below to answer questions 59 and 60.

**TABLE Q**

Grade	Number
6	12
7	15
8	7

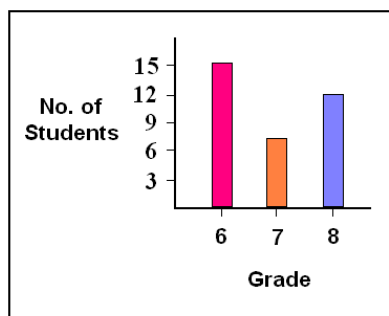
**59**

Which tally chart shows the information in the table?

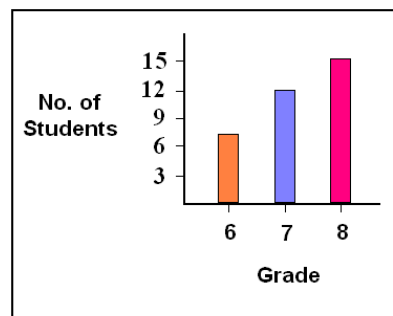
A	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Grade</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>       </td> </tr> <tr> <td>7</td> <td>        </td> </tr> <tr> <td>8</td> <td>       </td> </tr> </tbody> </table>	Grade	Number	6		7		8		C	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Grade</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>       </td> </tr> <tr> <td>7</td> <td>         </td> </tr> <tr> <td>8</td> <td>       </td> </tr> </tbody> </table>	Grade	Number	6		7		8	
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Grade	Number																		
6																			
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Grade	Number																		
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8																			

**60**

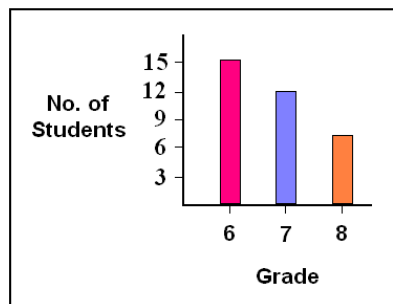
Which graph best represents the information given in **TABLE Q** ?



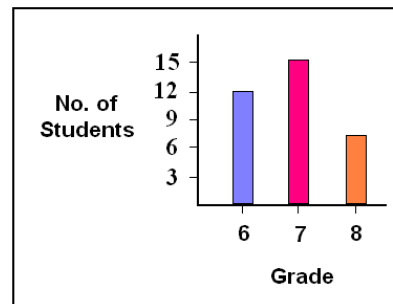
A



B



C



D