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 $\frac{3+3}{3} =$

A 1
B 2
C 3
D 4

5 If ◙ + ◙ + ◙ = 12 + 9, then

A 3 × ◙ = 21
B 3 × 21 = ◙
C 3 × ◙ = 21 – 12
D 3 × ◙ = 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 $3\blacktriangle 7 + 236 = \blacktriangle 03$ Then ▲ represents

A 0
B 5
C 6
D 7

8 Which gives the same result as **35 × 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 2×0.5
B 0.2×5
C 2.0×0.5
D 0.2×0.5

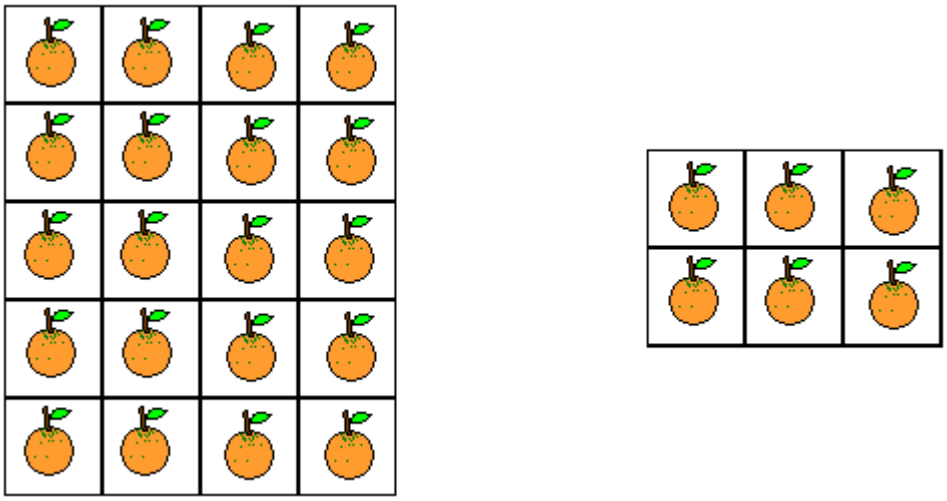
13 Which is the next number in the series **0.124, 1.24, 12.4,**

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:	**John Brown**
The sum of:	***Two hundred and twenty eight dollars and fifty cents***
$ X	

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 **5**46?

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 × odd = odd
B even × even = even
C even + even = even
D odd + odd = odd

22 Which of the following gives the same result as **0.5 × 0.3** ?

A $\frac{1}{5}\times\frac{1}{3}$

B $\frac{1}{2}\times\frac{1}{3}$

C $\frac{1}{2}\times\frac{3}{10}$

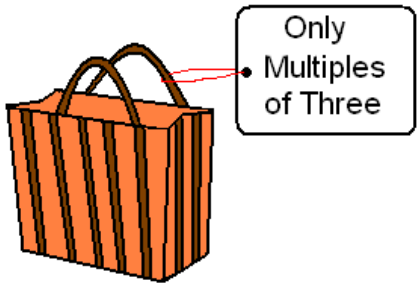
D $\frac{1}{2}\times\frac{1}{10}$

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

24

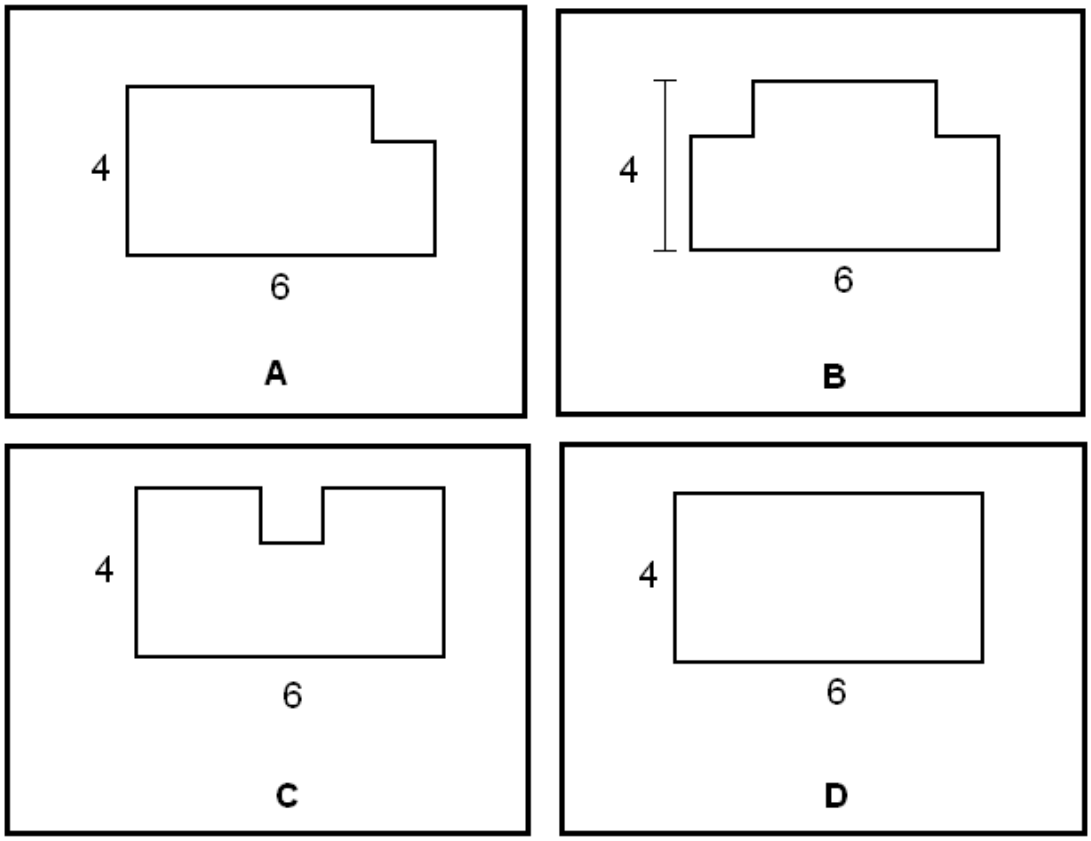


Sita pulls a number from this bag and exclaims, "***this is also a multiple of 4 and 5***"! Which of these could be the number that is pulled from the bag?

A 20
B 30
C 40
D 60

25

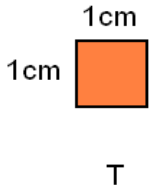
The perimeter of one of the shapes below is different from the others. Which shape is it?



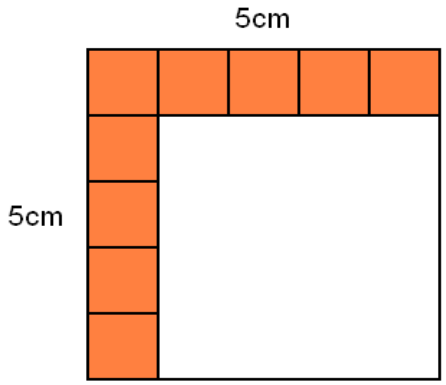
26

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

A 9
B 16
C 20
D 25



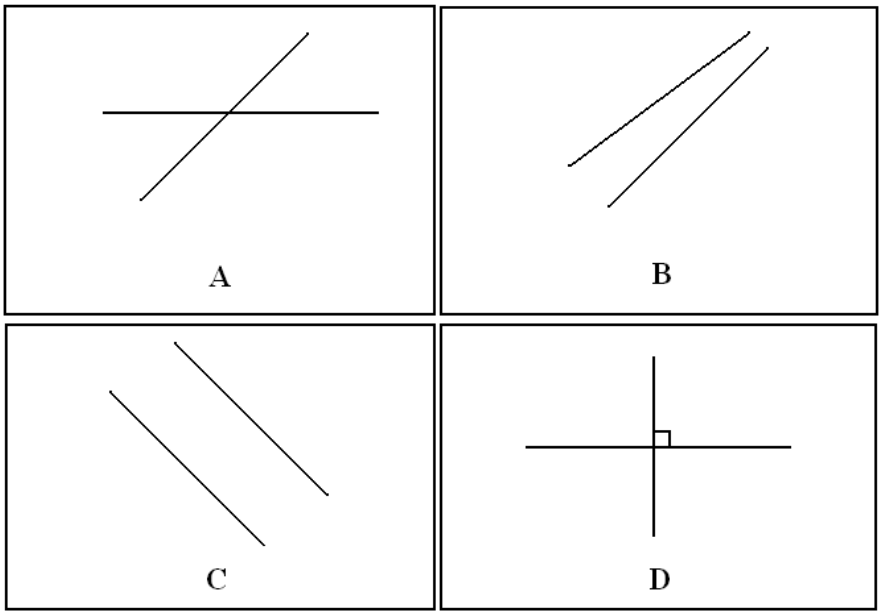
T



P

27

Which diagram shows a pair of perpendicular lines?

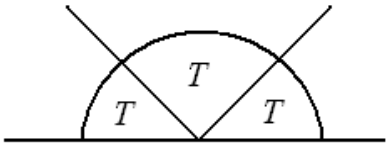


28

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

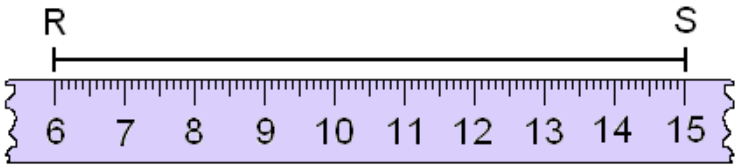
A acute
B right angle
C obtuse
D reflex

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



A **T + T +T = 60º**
B **T + T +T = 90 º**
C **T + T + T = 180 º**
D **T + T + T = 360 º**

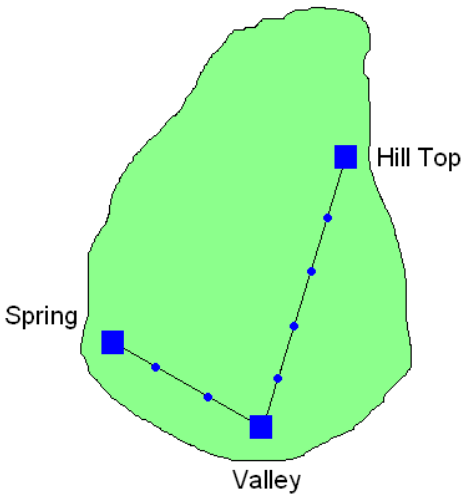
30



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?



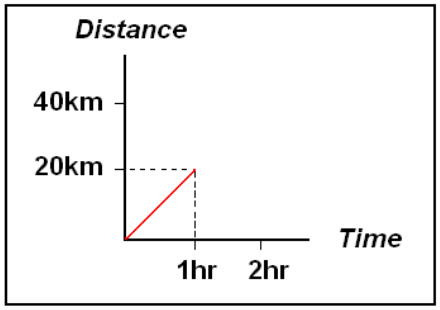
A 5 km
B 20 km
C 25 km
D 30 km

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

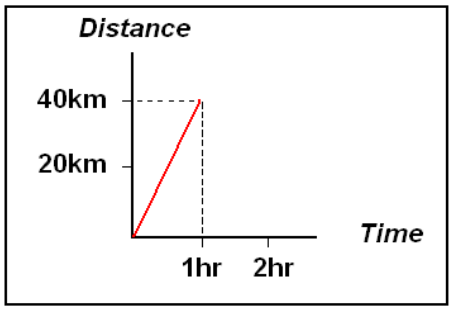
A $ 2.00
B $ 7.00
C $12.00
D $22.00

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

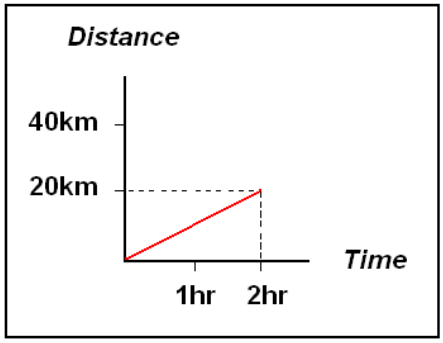
A



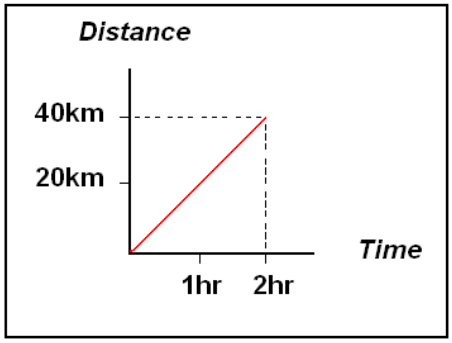
B



C



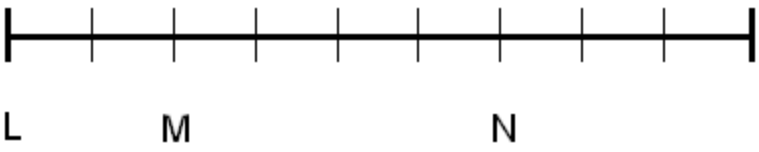
D



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



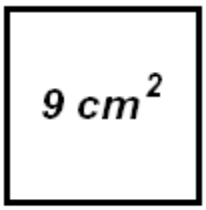
The marks on the line are the same distance apart. The distance from ***L*** to ***M*** is 2.5 metres. What is the distance from ***L*** to ***N***?

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

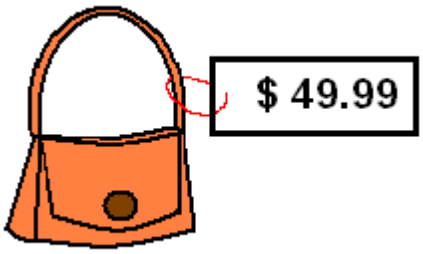


A 3 cm
B 9 cm
C 12 cm
D 36 cm

38 Which gives the cheapest rate?

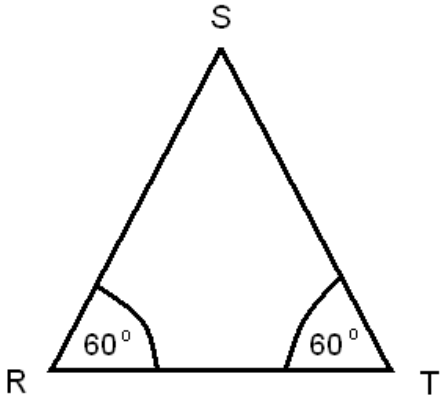
A 1 for $ 3.00
B 3 for $ 8.00
C 4 for $10.00
D 5 for $13.00

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



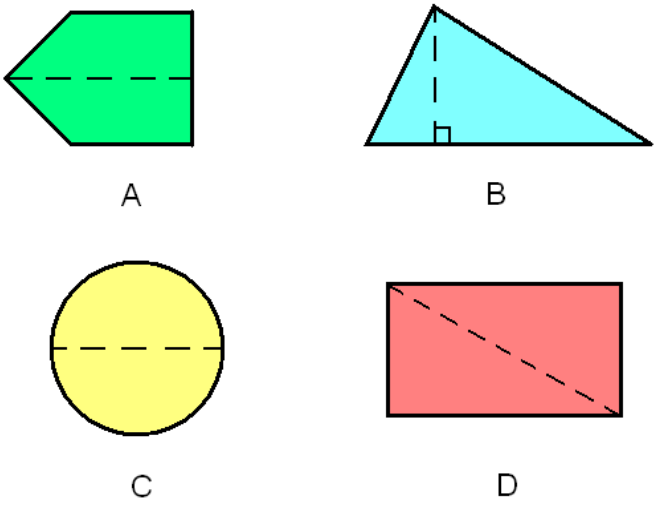
A $40.00 × 800
B $45.00 × 800
C $49.00 × 800
D $50.00 × 800

40 In triangle RST, angle R = 60° and angle T = 60°.
What type of triangle is RST?

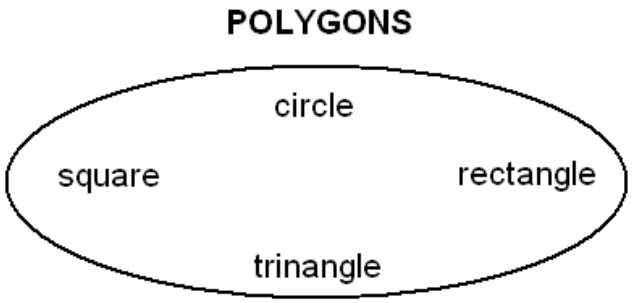


A Equilateral
B Scalene
C Obtuse angled
D Right angled

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



42



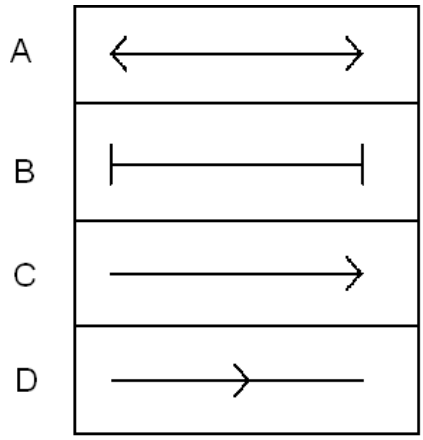
John draws the loop above to show members of the set of polygons. All of the following should be in the loop **EXCEPT**

A circle
B square
C rectangle
D triangle

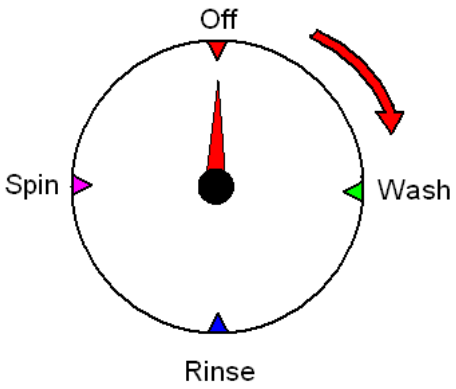
43 Which statement is **TRUE** of a right angled triangle?

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 direct[illegible] from ***Off*** to ***Spin.*** Through how [illegible]s did the pointer turn?



A 45°
B 180°
C 270°
D 360°

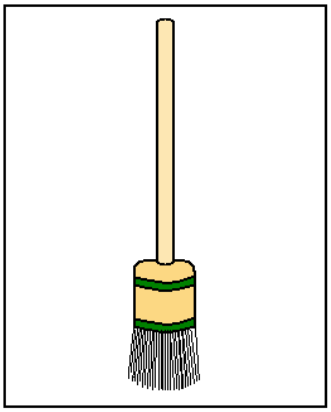
46 How many faces does this solid shape have?

A 3
B 6
C 8
D 12

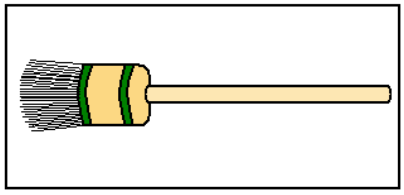
47

The broom shown above is rotated 180°. Which figure shows the new position of the broom?

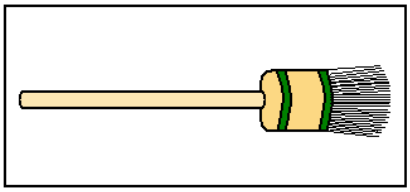
A



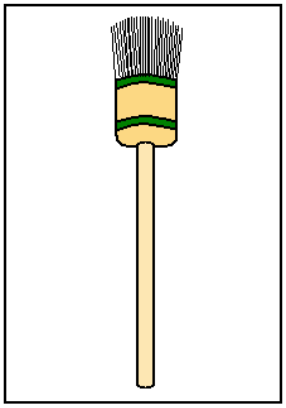
B



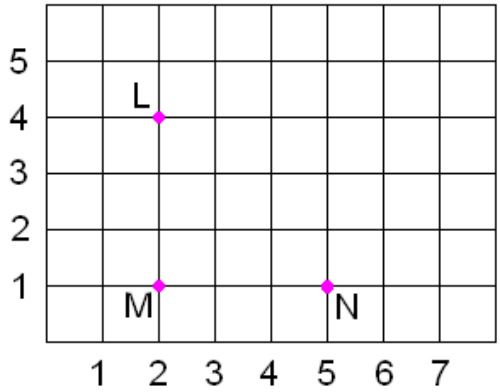
C



D



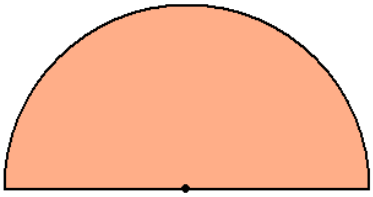
48



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)

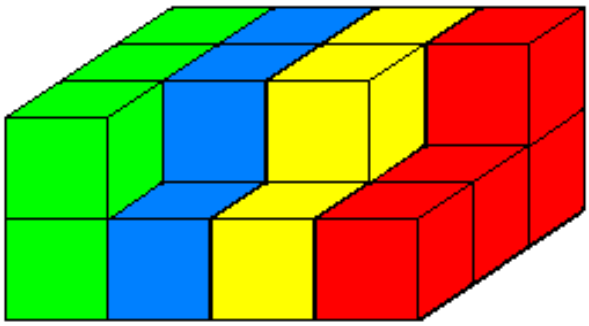
49



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

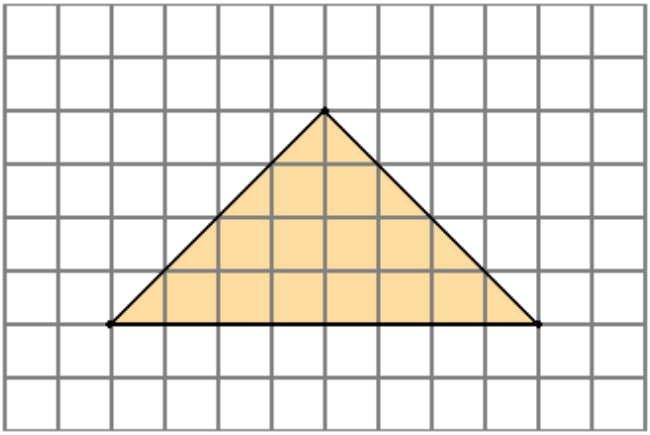
A 6
B 7
C 8
D 9

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

Grade	Number
6	𝍸 𝍸 ||
7	𝍸 𝍸 𝍸
8	𝍸 ||

C

Grade	Number
6	𝍸 𝍸 |
7	𝍸 𝍸 ||||
8	𝍸 ||

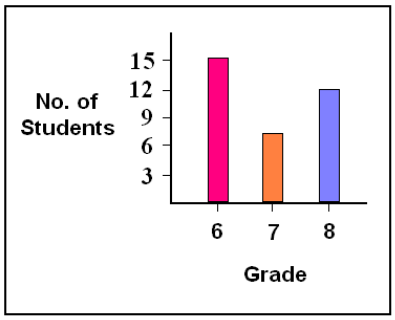
B

Grade	Number
6	𝍸 𝍸 |
7	𝍸 𝍸 𝍸
8	𝍸 |

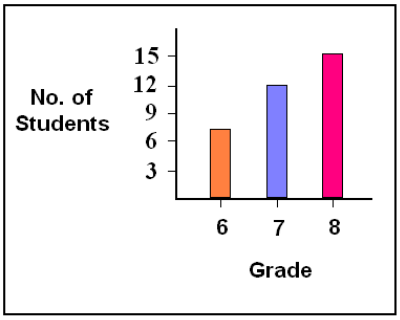
D

Grade	Number
6	𝍸 𝍸 ||
7	𝍸 ||
8	𝍸 𝍸 𝍸

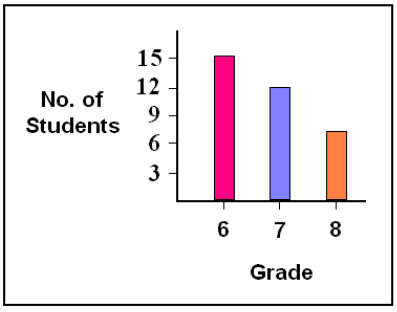
60 Which graph best represents the information given in **TABLE Q** ?



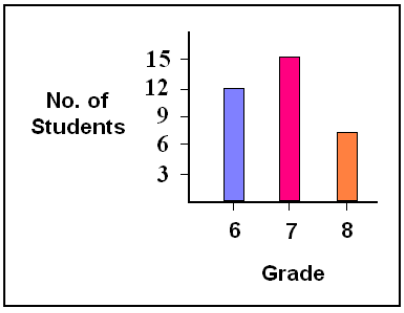
A



B



C



D