

ĐỀ THI THỬ VÀO LỚP 6 HỆ SONG BẰNG

1. Which of following numbers are the multiples of 5?

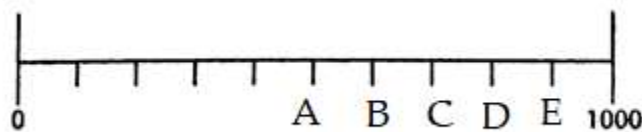
- A) 105 B) 150 C) 501 D) 551 E) 555

2. Choose **all** the calculations that total 100

- A) $35 + 65$ B) $47 + 53$ C) $21 + 89$ D) $88 + 12$ E) $36 + 54$

3. Four children find 30 shells on a beach. Wayne finds 7 shells, Leroy finds 8 shells and Vincent finds 3 shells. How many shells does Conrad find?

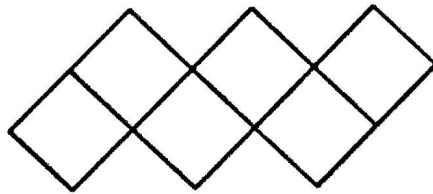
4. Which letter show 900 on the number line.



5. Which fraction is the the **largest**?

- A) $\frac{5}{8}$ B) $\frac{8}{8}$ C) $\frac{3}{8}$ D) $\frac{2}{8}$

6. Which 3D **shape** will be made from this net?

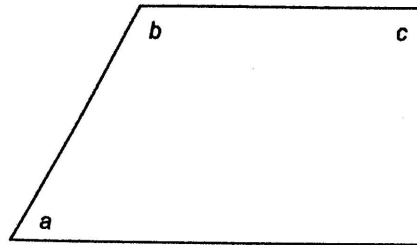


- (A) Cube (B) Rectangle (C) Square (D) Parallelogram

7. 45 children are at a club. The leader forms teams of 6 children. How many **whole** teams can the leader make?

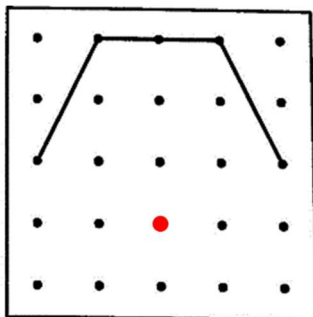
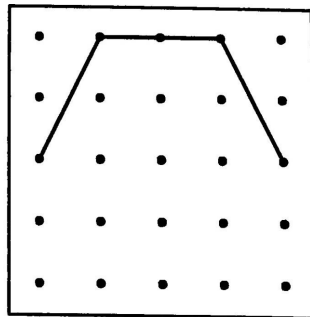
8. Three angles a , b and c are marked on the diagram below.

Put the angles in order of size, starting with the smallest.

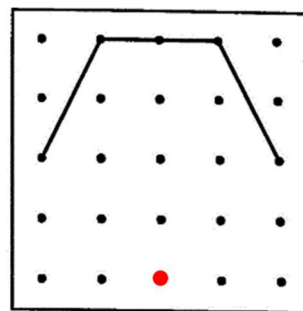


A) $a < b < c$ B) $b < a < c$ C) $b < c < a$ D) $a < c < b$

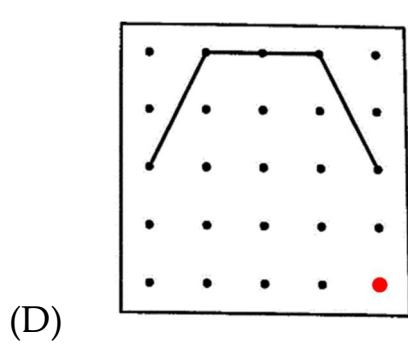
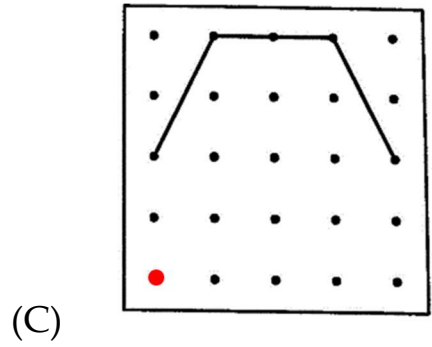
9. The lines on the grid form part of a pentagon. What dot is used to complete the pentagon so that it has **exactly** one right angle.



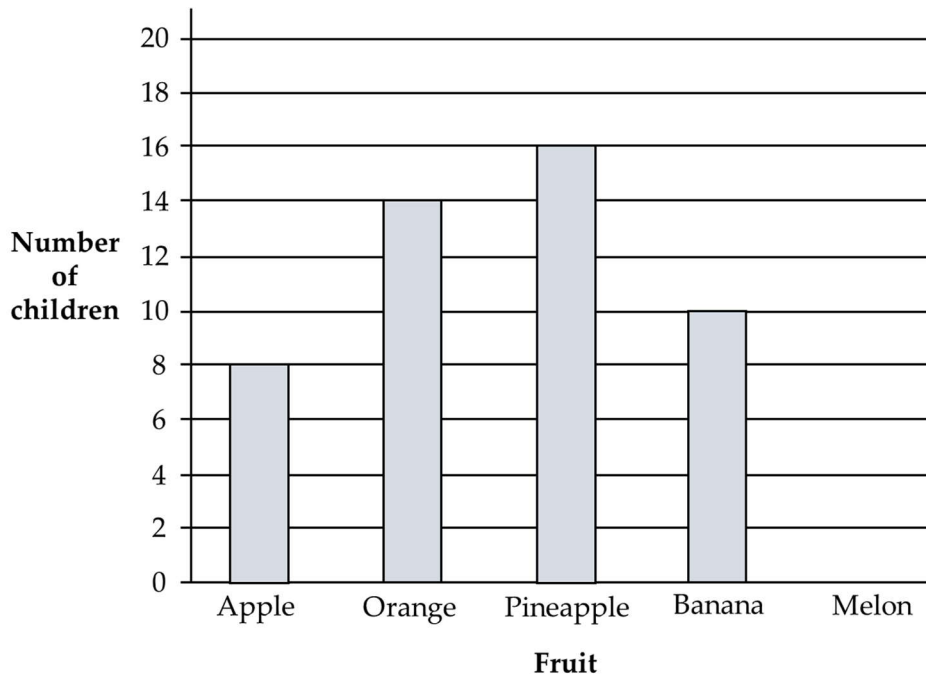
(A)



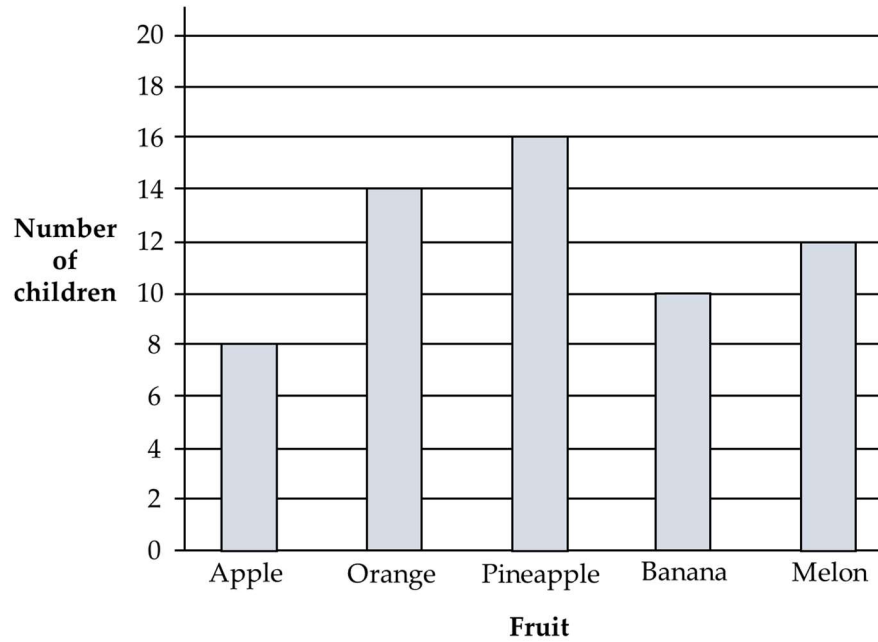
(B)



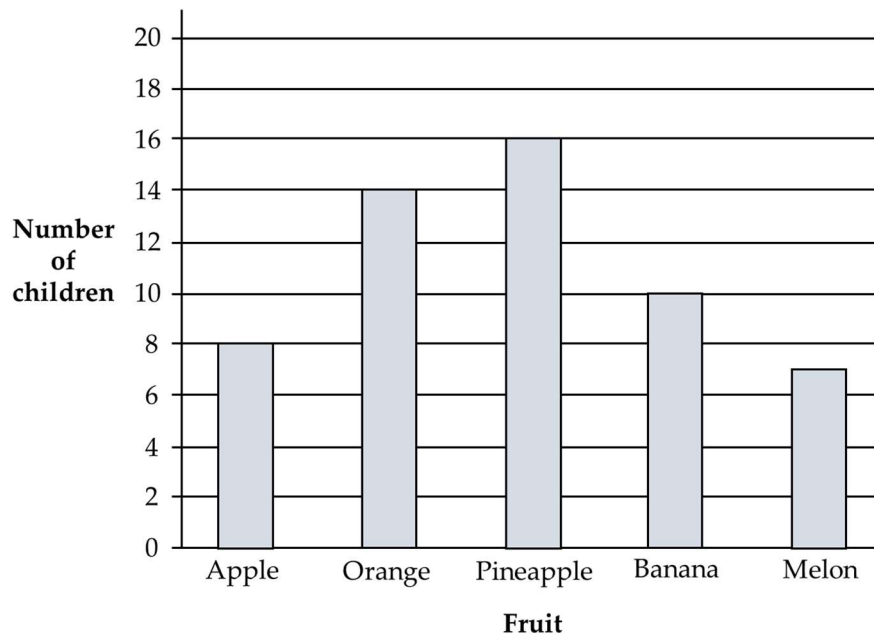
10. Mia asks some children to name their favourite fruit. The bar chart shows some of her results.



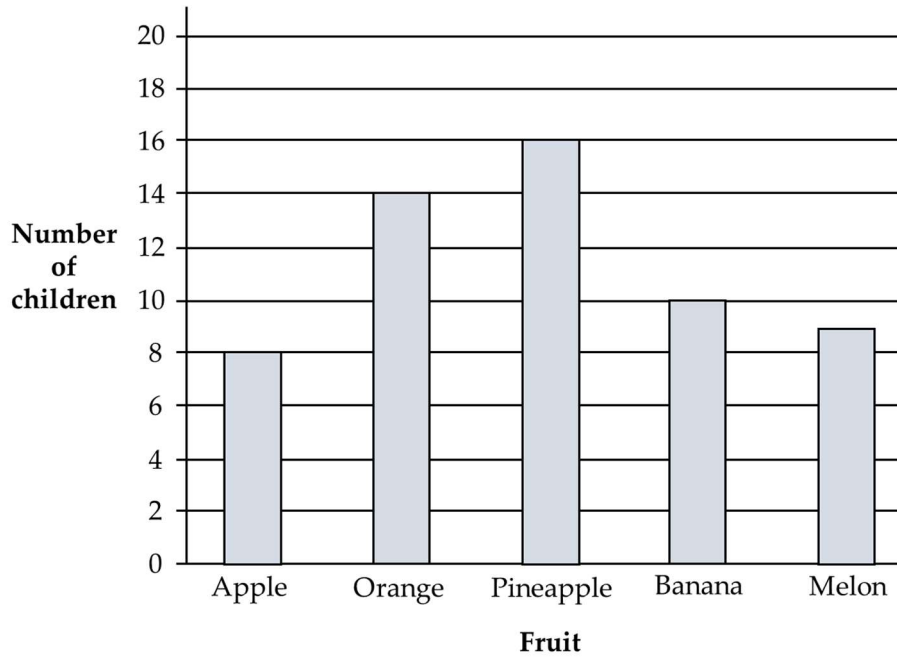
7 of the children chose melon. Which of the following chart shows this?



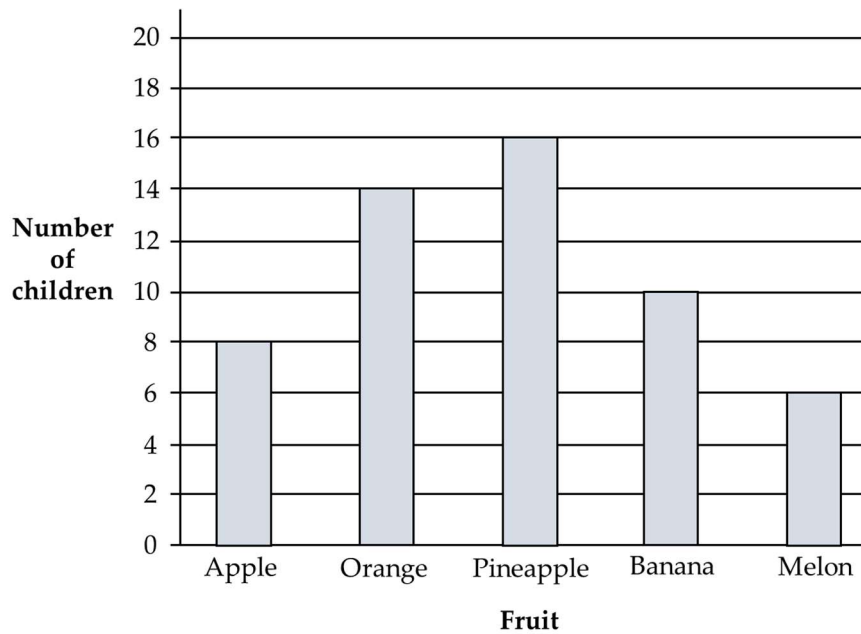
(A)



(B)



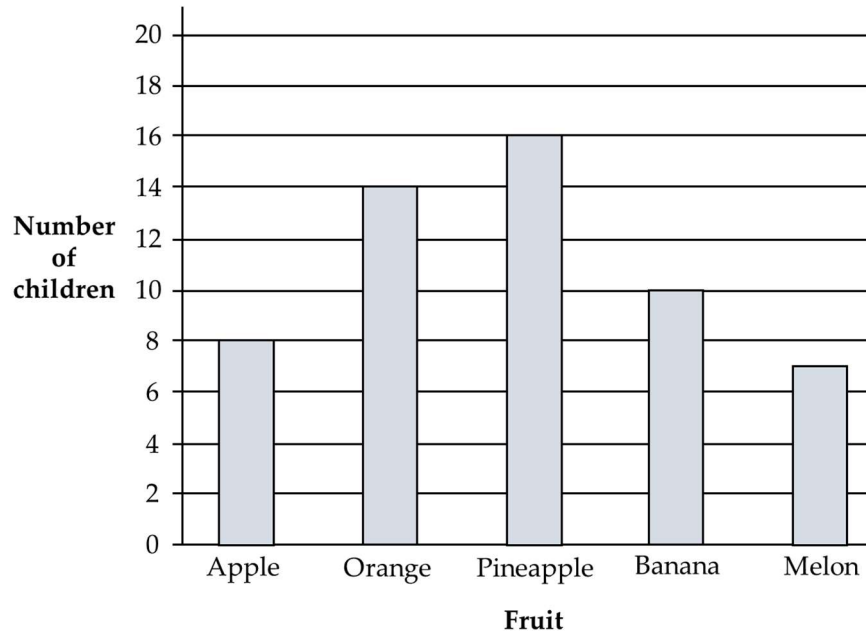
(C)



(D)

11. Mia asks some children to name their favorite fruit.

The bar chart shows some of her results.



How many children did Mia ask altogether?

- (A) 55 (B) 39 (C) 48 (D) 47

12. Noah was born in 1994. What birthday did he have in 2003?

- (A) 7th (B) 8th (C) 9th (D) 10th

13. Which are two numbers that total 1?

0.6 0.7 0.5 0.2 0.3

- (A) 0.6 and 0.5 (B) 0.7 and 0.2 (C) 0.3 and 0.6 (D) 0.7 and 0.3

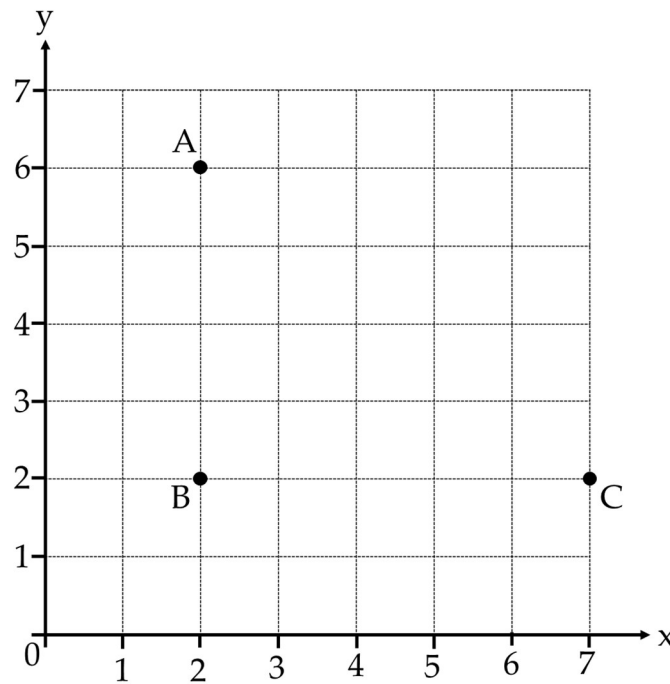
14. Here are 4 digit cards.



Use each card once to complete this number sentence. ($B < C < D$)

$$\boxed{A} \boxed{2} \cdot \boxed{B} > \boxed{6} \boxed{C} \cdot \boxed{D}$$

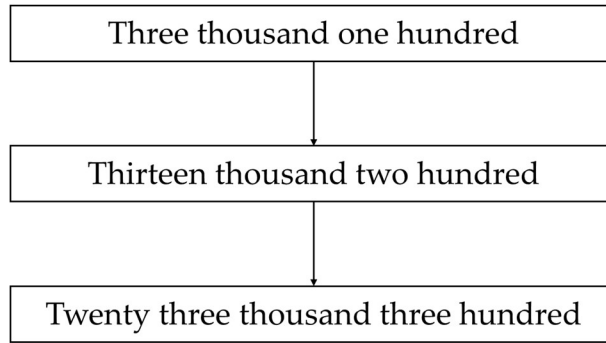
15. A, B and C are three vertices of a rectangle.



What are the co-ordinates of the fourth vertex?

- (A) (5; 5) (B) (5; 7) (C) (6; 7) (D) (7; 6)

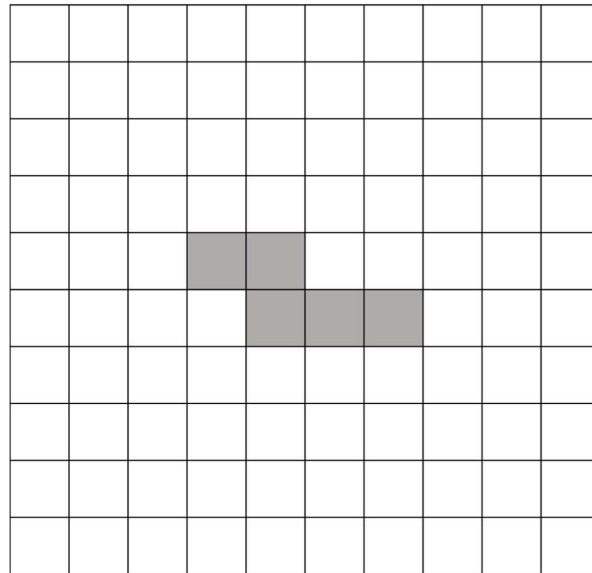
16. Here is a sequence of numbers. The sequence continues in the same way.



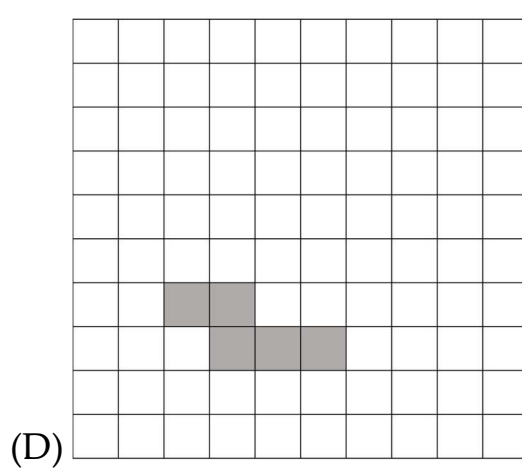
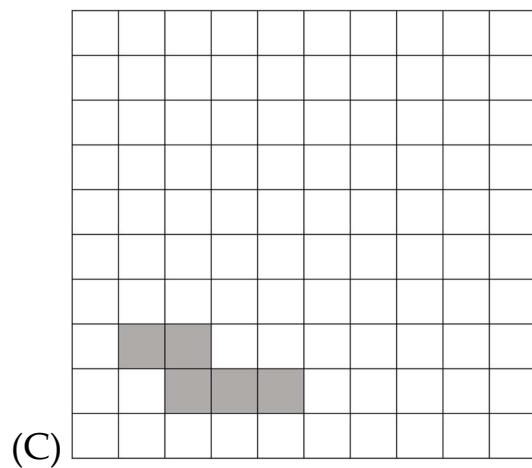
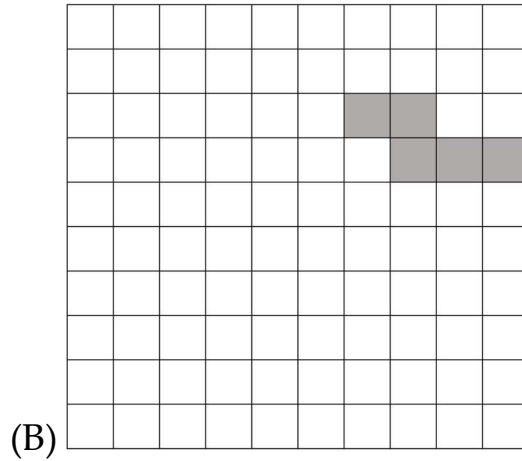
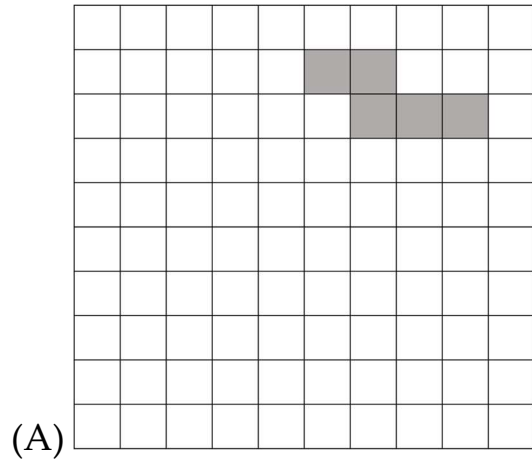
Write in **figures** the next number in the sequence.

- (A) 33 300 (B) 33 400 (C) 43 300 (D) 34 300

17. This shape is translated 3 squares up and 2 squares to the right.



Which of the following shows its new location?



18. Find **all** of the numbers that equal 9 when rounded to the nearest whole number.

8.07

8.8

9.45

8.2

9.54

8.54

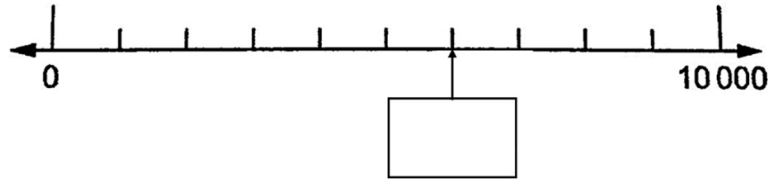
(A) 8.07; 8.8; 9.54

(B) 8.8; 9.45; 8.54

(C) 8.8; 9.54; 9.45

(D) 9.45; 9.54; 8.54

19. Here is a number line.



Estimate the number marked by the arrow.

20. What percentage of this shape is shaded?

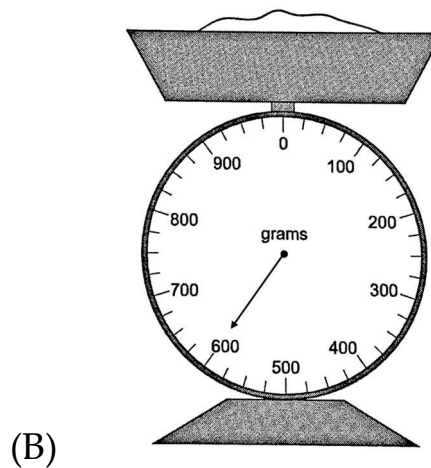
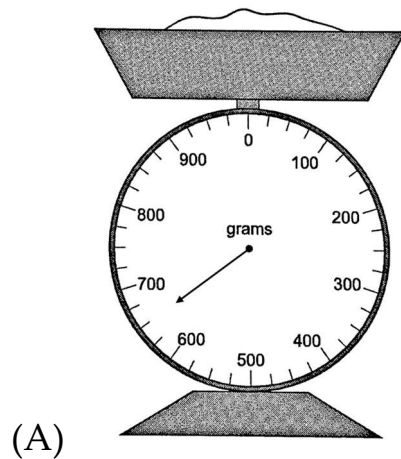


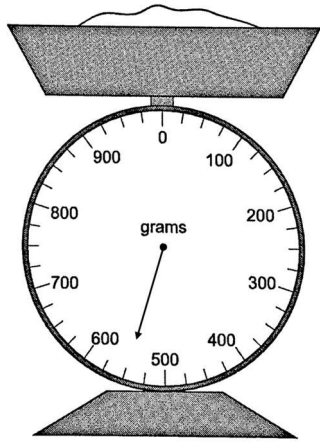
- (A) 66% (B) 40% (C) 60% (D) 150%

21. A builder has 2960 bricks. He uses 1994 bricks to build a wall. How many bricks does he have left?

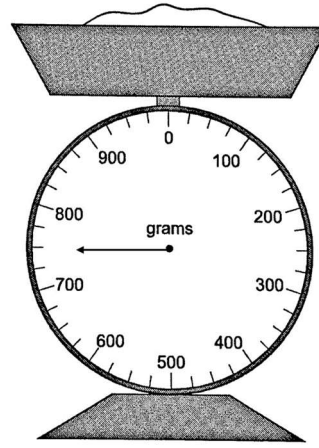
22. Calculate 17.8×4

23. Mary weighs 650 grams of flour. Which scale to show 650 grams.





(C)



(D)

24. How many \$10 notes make \$9000?

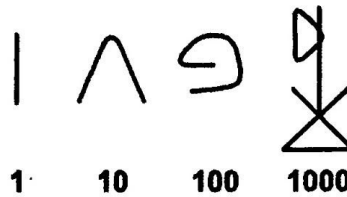
(A) 9

(B) 90

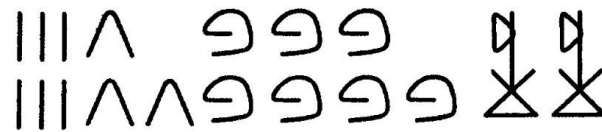
(C) 900

(D) 9000

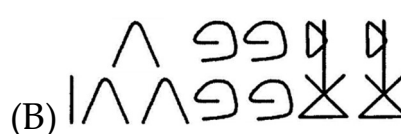
25. The ancient Egyptians used these symbols to represent numbers.

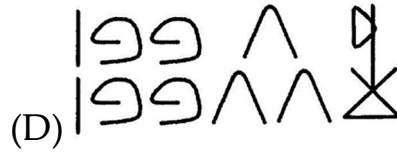


(a) Which number is represented by these symbols?

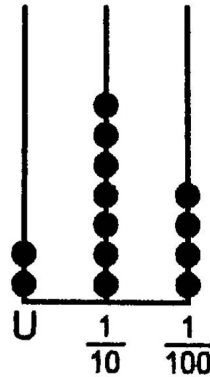


(b) Write 1342 using Egyptian symbols.



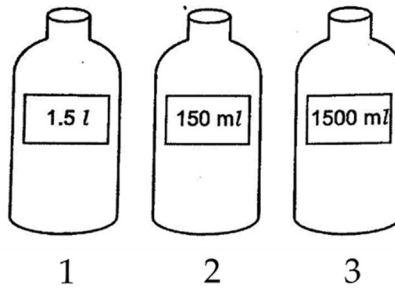


26. Write the decimal number shown on the abacus.



27. Here are three bottles. Two bottles contain the same amount of liquid.

Put a cross (x) on the bottle that contains a different amount.



(A) 1

(B) 2

(C) 3

(D) No one

28. Katie measures the mass of 15 different cherries. Here are her results in grams.

10 12 9 11 9 6 15 12 13 11 11 10 12 11 14

Use her results to find

(a) the range: grams

(b) the mode: grams

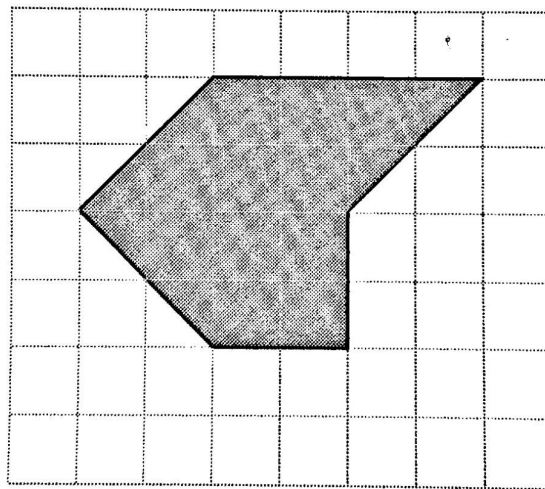
29. Here are five digit cards.



Use four of these cards to make this statement correct. No card can be used twice. What value A can accept?

$$\frac{\boxed{A}}{\boxed{}} = \boxed{}.\boxed{}$$

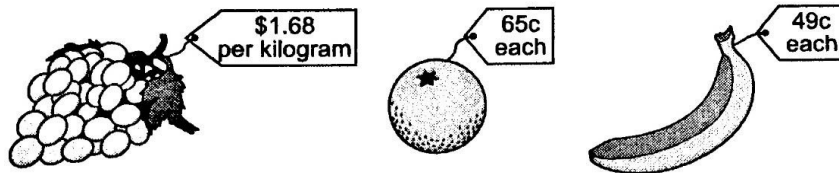
30. Here is a polygon on a 1 cm square grid.



What is the area of this shape?

- (A) 13 cm² (B) 13.5 cm² (C) 14 cm² (D) 14.5 cm²

31. Khalid buys a kilogram of grapes, 2 oranges and a banana.



(a) How much is the total cost?

- (A) 2.82\$ (B) 115.68c (C) 180.68c (D) 3.47\$

(b) How much change would Khalid get from a \$10 note?

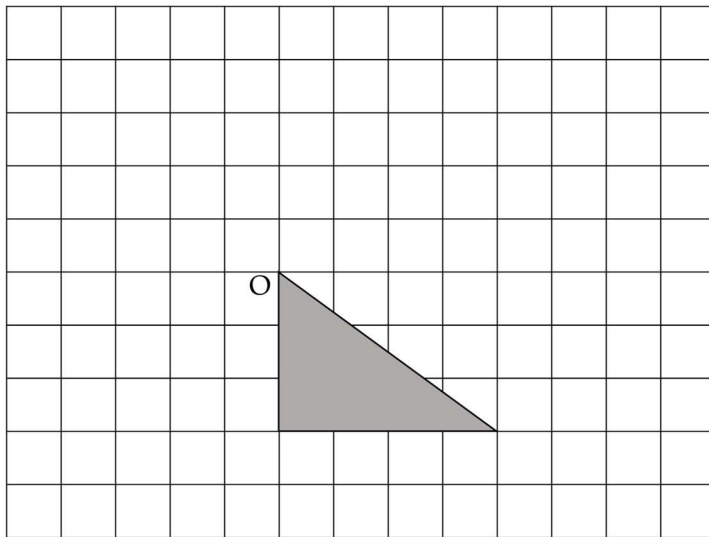
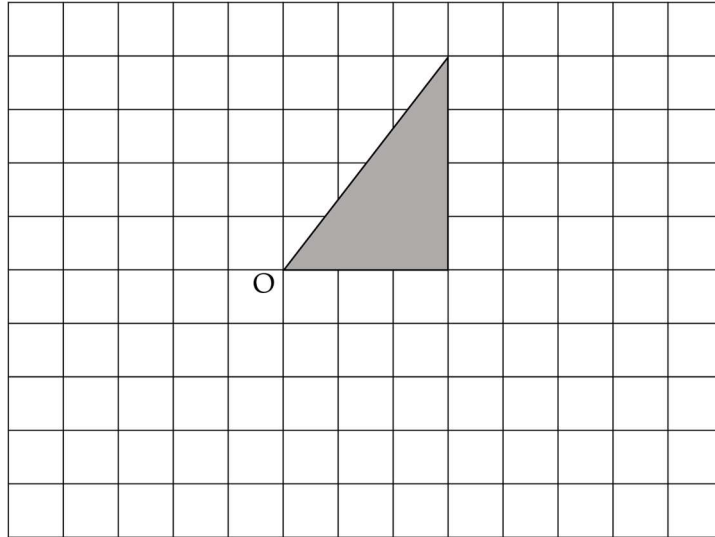
- (A) 7.18\$ (B) 884.32c (C) 819.32c (D) 6.53\$

32. The difference in temperature between two towns is 6°C .

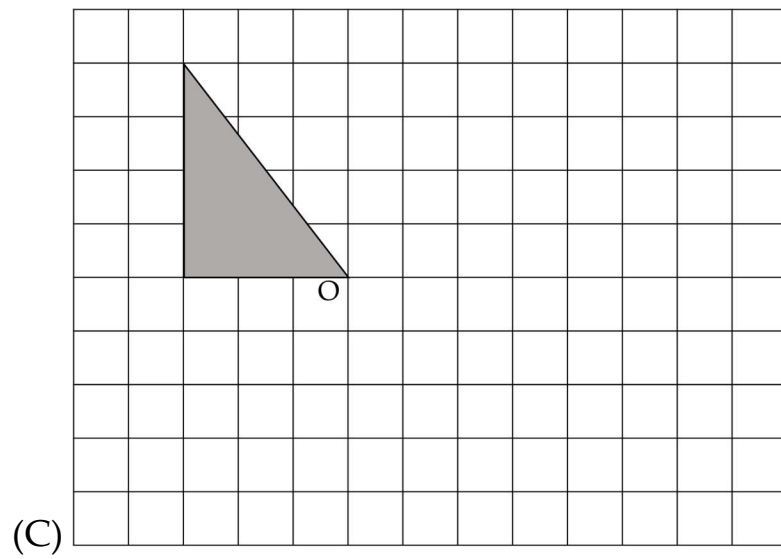
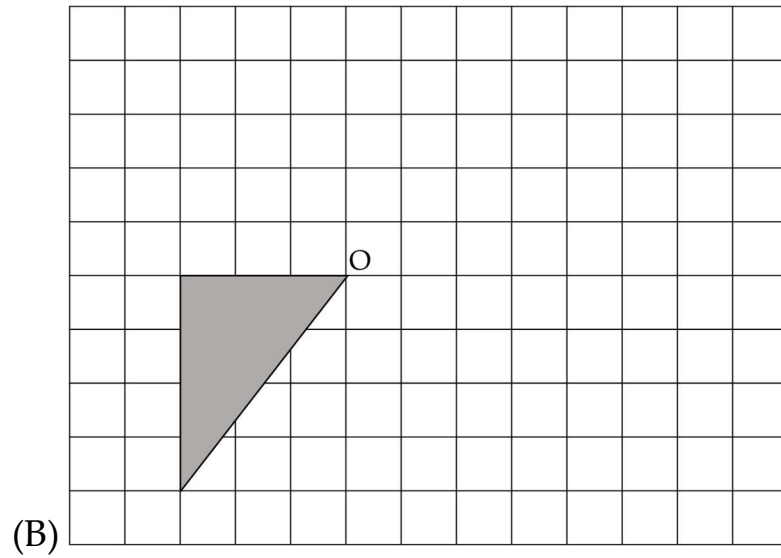
The temperature in one of the towns is 2°C .

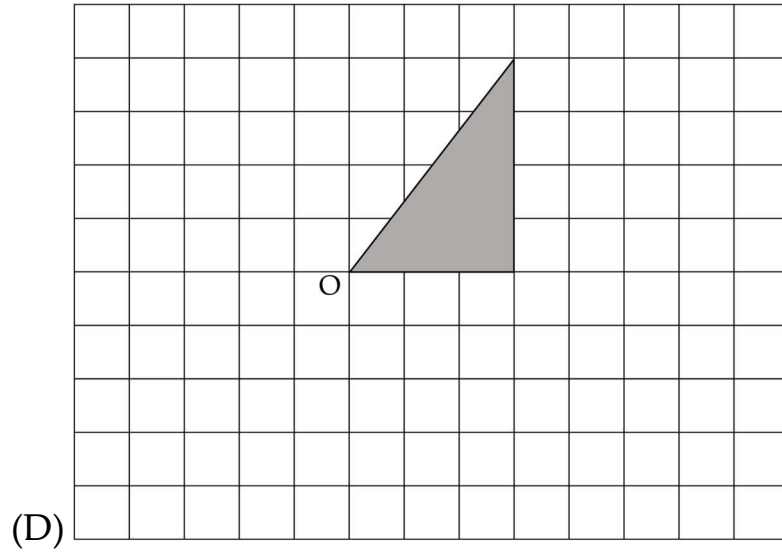
Write the two possible temperatures for the other town.

33. Here is a triangle on a grid. The triangle is rotated 90° clockwise about point O. Which of the following shows its new location?

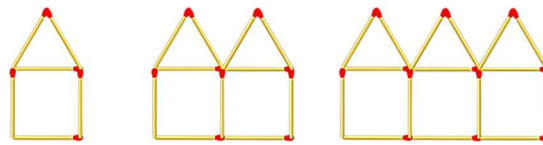


(A)

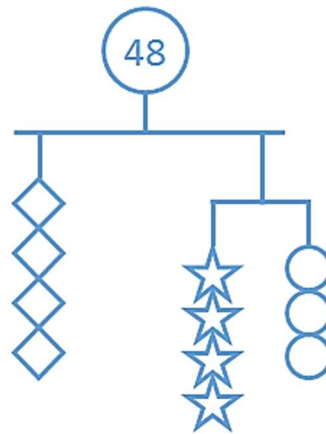




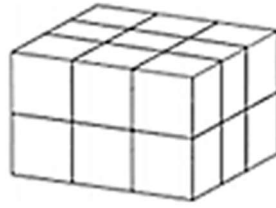
34. How many matchsticks are there in the 10th set?



35. Find the value of the star shape:



36. The surfaces of a large rectangular are painted in red, then cut into 18 small boxes as shown above. In these small boxes, please identify the number of boxes that have 2 sides painted.

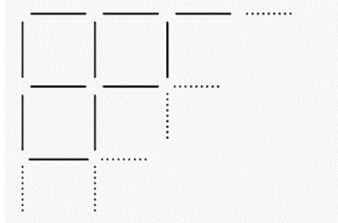


37. Aaron is waiting in a line. He is in the 5th place counting from the front and he is in the 8th place counting from the back. How many people are in this line?

38. An apple costs \$5.00 while an orange costs \$2.00. Nobita bought a total of 12 that costs him \$45.00. How many apples had Nobita bought?

39. *(Write down your answer in detail)*

The same-size sticks are used to form a grid of squares with 60-stick length and 32-stick width. How many sticks do we need?



40. (Write down your answer in detail)

A double storey public bus has 79 seats. The bus starts the journey with full vacancy. 1 passenger embarks the bus at the 1st station, 2 passengers embark the bus at 2nd station, following by the 3rd station with 3 passengers. Additionally, there is 1 passenger disembarks from the bus in every station, starting from the 2nd station. Following this pattern of passenger dispatching, please state the station where the bus is fully occupied with passengers.