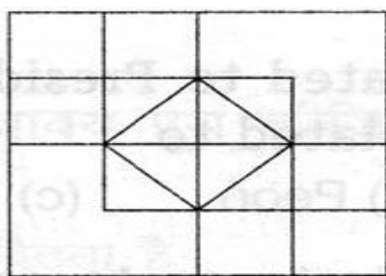


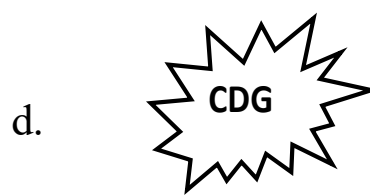
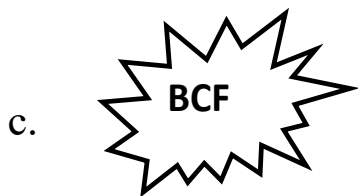
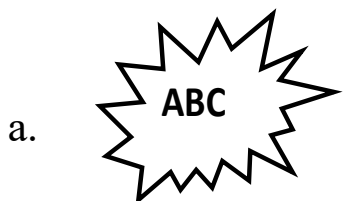
4. How many squares are there in the given figure ?



- a. 17
- c. 15

- b. 16
- d. 19

5. Find the term which does not belong to the series.



9. $6 \text{ cm} = ?$

a. $\frac{06}{1000} \text{ km}$

b. $6 \times 10^4 \text{ km}$

c. $6 \times 10^5 \text{ km}$

d. none

10. Select which of the following is true

A. $2/9 \div 5/11 = 7/9 \div 6/15$

B. $\{4/9 \div -2/11\} \div 1/2 = 4/9 \div \{-2/11 \div 1/3\}$

C. $-9 \div 3/4 = 3/4 \div (-19)$

D. $\{-3/5 \div (-12/35)\} \div 1/14 = -3/5 \div \{-12/35 \div 1/13\}$

a. A and B

b. B and C

c. C and D

d. none of these

11. Five years ago a man was 7 times as old as his son. Five years hence, the ratio of their ages will be 9 : 7. their present ages are

a. 40 years, 15 years

b. 40 years, 12 years

c. 40 years, 10 years

d. 42 years, 10 years

12. Carol starts at 9:00 am by bicycle to reach office. She cycles at the speed of 8 km/hour and reaches the office at 9:15 am. By how much should she increase the speed so that she can reach the office at 9:10 am?

a. in 12 minutes she reaches the office at the speed of 12 km/hr.

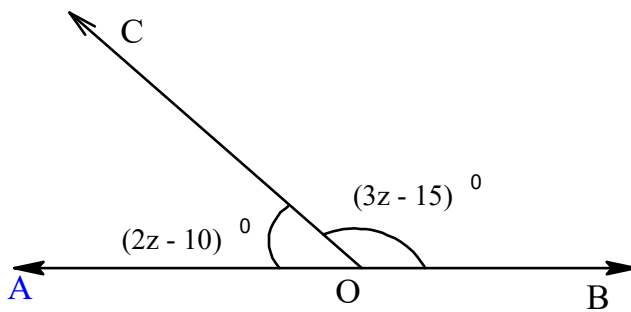
b. in 10 minutes she reaches the office at the speed of 10 km/hr.

c. in 14 minutes she reaches the office at the speed of 12 km/hr.

d. in 10 minutes she reaches the office at the speed of 12 km/hr.

13. Simple interest on a certain sum is $\frac{16}{25}$ of the sum. The rate percent and the time if both are numerically equal are
- rate = 9%, time = 9 years
 - rate = 7%, time = 7 years
 - rate = 10%, time = 10 years
 - rate = 8%, time = 8 years

14. In the figure below, what value of z will make AOB a straight line ?



- $z = 30$
 - $z = 35$
 - $z = 25$
 - $z = 41$
15. The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and the breadth is increased by 5 cm, the area of the rectangle is increased by 75 cm^2 . Therefore, the length of the rectangle is :
- 20 cm
 - 30 cm
 - 40 cm
 - 50 cm

SECTION - C

16. A sum was put at simple interest at a certain rate for 2 years. Had it been put at 3% higher rate, it would have fetched Rs. 72 more. Calculate the sum.
- Rs. 2100
 - Rs. 1800
 - Rs. 1200
 - Rs. 1500

