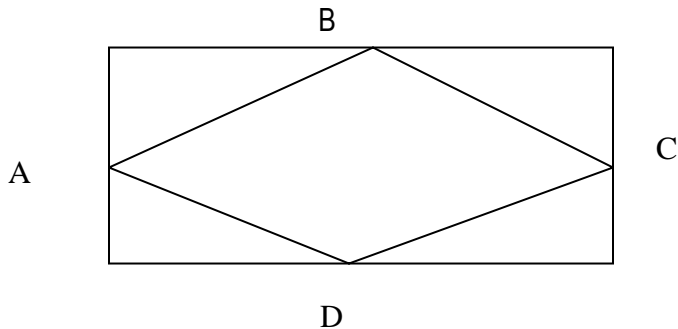


CTS Sample Paper

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Company : CTS
Date :
College :

1.



A,B,C,D are the midpoints of the given rectangle and $AB=BC=CD=DA=5\text{CM}$
if one of the sides of the rectangle is 6 cm in length m what is the area of the quadrilateral ABCD ?

a)21 b)24 c)25....

2. A worker can load a box onto a truck in 9 minutes and 8 boxes fill a truck. How many trucks can be filled by 18 men working for $1\frac{1}{2}$ hrs?

a)21 b)23 c)22.5...

3. Ali and Faizer are 27m apart. They both start walking and meet 9 hrs later. If they travel in the same direction and meet after 3 hrs, faizer's speed must most likely be _____ mph.

a)3mph b)9mph c)6mph...

4. Arun bought some pigs for Rs.960 and sold them later for Rs.135 each. His gain on the entire transaction was the cost price of one pig. How many pigs did he buy?

a)8 b)12...

5. A field is surrounded by 2 fences , each 40 feet long at an angle 24 degrees to each other. A cow is tied to a pole in the field with a rope 15 feet long. What is the area in square feet that the cow can graze?

a) 2π b) 15π c) 30π d) 45π

6. A man and his daschund were traveling in his car. The man stops and lets the dog out. The dog starts running at 70kmph and the man follows the dog at 35kmph.After traveling a distance of 70

km, the dog returns to him How much time has elapsed between when the dog started running and when it returned to him ?

- a) 1 hr b) 1 ½ hrs c) 1 hr 40 min

7. is (x^2+y^2+12) even ?

A. x is even B. y is odd

Choose : a) if A alone is sufficient

b) if B alone is sufficient

c) if A and B are required to answer the question

d) if A and B cant be used to answer the question

8. The ratio of income to expenditure is 5:4 . If the savings in a particular year amounts to Rs. 20 lakhs, the expenditure is

- a) 20 lakhs b) 15 lakhs....

9. X sold a video recorder for \$ 735 and made a profit of 22.5% . The cost price of the video recorder went up by \$120 and so X increased the selling price by \$120. What is his profit % now ?

- a) 17.5% b) 22.5%..

10. 2 pipes can fill a cistern in $3\frac{3}{4}$ minutes . if the larger pipe takes 4 minutes lesser than the smaller pipe to fill the cistern , how much time does the smaller pipe take to fill the cistern.. (don't remember the options)

11. problems on men building fences in ___ days...

12. Relationship problem – set of conditions and 8 questions based on them

13. problems on profit and loss

14. 5 questions with sentence completion with two blanks

15. 4-5 questions giving a statement and asking for the reason (from the choice) which would weaken/strengthen the argument in the statement

16. 6 men and 8 women want to sit in a circular table . If no two men can sit together Find the number of ways in which it can be arranged

17. A liquid containing a mixture of milk and water are mixed in a ratio 2:1, 5:1 and 5:3 All three samples are mixed. What is the ratio of water and milk in the resulting mixture.

18. Cost price = $\frac{3}{5}$ th of SP what % of profit was earned