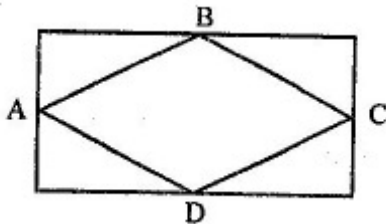




National Commerce Olympiad 2012
A True Test Of Your Genius
National Commerce Olympiad Foundation
An NGO For Research & Development Of Commerce Studies

Math IX:

- Hameed has built a cubical water tank with lid for his house, with each outer edge 1.5 m long. He gets the outer surface of the tank excluding the base, covered with square tiles of side 25 cm. Find how much he would spend for the tiles, if the cost of the tiles is Rs 360 per dozen.
(a)Rs.4500 (b)Rs.6400 (c)Rs.4600 (d)Rs5400
- The pillars of a temple are cylindrically shaped. If each pillar has a circular base of radius 20 cm and height 10 m, how much concrete mixture would be required to build 14 such pillars?
(a)17.6 (b)18 (c)16.6 (d)12
- A can do a job in 36 days. B is 20% more efficient than A and C is 50% more efficient than B. B and C together can do the job in
(a) 10 days (b) 12 days (c) 15 days (d) 8 days
- A, B, C and D represent the midpoints of four sides of a rectangle. If $AB = BC = CD = AD = 5$ cms and if one of the sides of the rectangle measures 6 cms, what is the area of the quadrilateral ABCD?

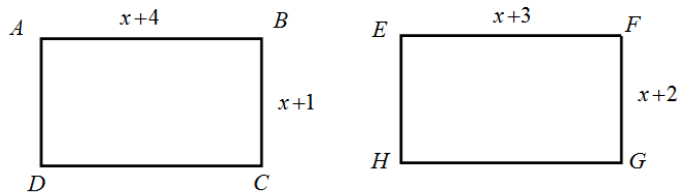


- (1) 36 (2) 30 (3) 24 (4) 25
- Find the value of x in equation $2x^2 + 17x + 15 = 0$
(a) 2 (b) 3 (c) 4 (d) 5



National Commerce Olympiad 2012
A True Test Of Your Genius
National Commerce Olympiad Foundation
An NGO For Research & Development Of Commerce Studies

6. In the figure below, the area of rectangle ABCD is 100. What is the area of rectangle EFGH?



- (a) 98 (b) 100 (c) 102 (d) 104
7. In a parallelogram JKLM whose co-ordinates are J(-5,2), K(-2,6), L(5,6), M(2,2). Find the area of parallelogram JKLM?
(a) 35 (b) 28 (c) 24 (d) 20
8. If P (2, 1) and Q (8, 1) are two of the vertices of a rectangle, which of the following could not be another of the vertices?
A) (2, 8)
B) (8, 2)
C) (2,-8)
D) (-2, 8)
9. A, B and C can walk at the rate of 3,4 and 5km per hr respectively. They start from Pune at 1,2,3 O' clock respectively. When B catches A, B sends him back with message to C. when will C get the message?
(a) 5:15 O'clock (b) 4:15 O'clock
(c) 3:50 O'clock (d) 6:00 O'clock
10. 4 men or 5 women can construct a wall in 40 days. How long will 9 men and 5 women take to do the same?
(a) 12 days (b) 13 days (c) $12\frac{4}{13}$ days (d) $13\frac{4}{12}$ days



National Commerce Olympiad 2012

A True Test Of Your Genius

National Commerce Olympiad Foundation

An NGO For Research & Development Of Commerce Studies

Answer key

1.(d) 2. (a) 3. (a) 4. (c) 5. (a)
6.(c) 7. (b) 8. (d) 9. (a) 10. (c)

Head Office H-108, 2nd Floor, New Asiatic Building, Connaught Place, New Delhi-110001

Ph: 011-43694444 (30 lines), Email: info@ncofindia.org, www.ncofindia.org



National Commerce Olympiad 2012

A True Test Of Your Genius

National Commerce Olympiad Foundation

An NGO For Research & Development Of Commerce Studies

////////////////////

NCOF Sample questions 2012

Head Office H-108, 2nd Floor, New Asiatic Building, Connaught Place, New Delhi-110001

Ph: 011-43694444 (30 lines), Email: info@ncofindia.org, www.ncofindia.org