AREAS

1. One side of the rectangular field is 12m and one of its diagonal is 13m. Find the area of the field.

a)40 b)25 c)144 **d)60**

1. Find the area of square, one of whose diagonal is 5.4m long.

a)29.16 **b)14.58**  c)30.16 d)15.58

1. Find the area of equilateral triangle each of whose side is 12m long.

a)6 √3 sq.cm b)36√3 sq.cm c)6√3 sq.m **d)36√3 sq.m**

1. A triangle of area (18 x m)sq.m has been drawn such that its area is equal to the area of an equilateral triangle of side 6cm. Then the value of m is :

a)√2 b)2√2 **c)√3** d)2√3

1. The difference between the circumference and the radius of a circle is 74cm. The area of the circle is:

a)154sq.cm **b)616 sq.cm** c)148 sq.cm d)648 sq.cm

1. If the altitude of an equilateral triangle is 9, then its area is

a)√2 b)3√2 c)√3 **d)3√3**

1. If length and breadth of a rectangular plot are increased by 25% and 50% respectively, then the new area is how many times the old area?

a)5/8 b)9/5 **c)15/8**  d)15/4

1. If the length of median of an equilateral triangle is √3. What is its area?

a)3 b)3/2 c)(3√3)/2 **d) √3**

1. The length of one diagonal of a rhombus is 60% of the other diagonal. The area of rhombus is how many times the square of length of longer diagonal?

a)4/5 b)2/5 **c)3/5** d)1/5

1. The cross section of a canal is trapezium in shape. The canal is 13m wide at top and 7m wide at bottom, the area of the cross section is 920sq.m. The depth of the canal is?

a)42 b)82 **c)92** d)9.25

1. The length of longer diagonal of a rhombus is 12m. Its perimeter is 52m. The length of shorter diagonal is?

a)20 b)12 **c)10** d)15

1. In a rhombus whose area is 256sq.cm, one of its diagonal is twice as long as the other. The lengths of diagonal are :

a)12&24 **b)16&32**  c)14&28 d)16&30

1. The radius of a wheel is 14 cm how many revolutions will it make in moving 88km.

a)2000 b)14000 c)10000 **d)100000**

1. If a rhombus and square stand on same base then the ratio of areas of rhombus and square is:

a)equal to ¼ b)equal to ½ c)greater than 1 **d) equal to 1**

1. If the diagonal of a square is increased by 4 times to make diagonal of another square , the area of new square will be:

a)4(original area) b) 2(original area) c) 8(original area) d)**16(original area)**