MATHS

Basic Area Worksheet

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2024 for admission to BCA, BBA, BMS, BBM

1.Which of the following is not true for a parallelogram?

   A.   Diagonals bisect each other
   B.   Opposite sides are equal
   C.   Opposite angles are equal
   D.   Opposite angles are bisected by the diagonals

2. Diagonals of a parallelogram _____ each other.
   A. Bisect
   B. equal to
   C. perpendicular to
   D. none of these

3. If the area and height of a right angle triangle is 42 cm² and 14cm. then find its base.
   A. 8 cm
   B. 6 cm
   C. 9 cm
   D. 12 cm
   E. 15 cm

4. What is the sum of angles of quadrilaterals?
   A. 90
   B. 180
   C. 360
   D. 270

5. If the side of a square is 7 m, then find its area.
   A. 49 square meter
   B. 48 square meter
   C. 45 square meter
   D. 42 square meter

6. If the side of a square is 23 feet, then find its area.
   A. 528 square feet
   B. 529 square feet
   C. 525 square feet
   D. 576 square feet

7. If the length and width of a rectangle are 12 feet and 11 feet, then find its area.
   A. 136 square feet
   B. 132 square feet
   C. 130 square feet
   D. 112 square feet
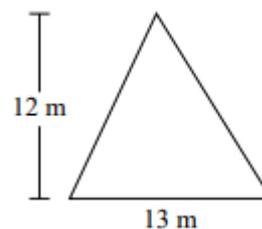
8. A circle can have ____parallel tangents at a single time.
   A. One
   B. Two
   C. Three
   D. Four

9. A line intersecting a circle in two points is called a _____.
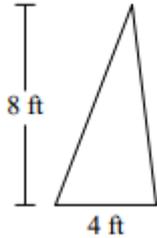   A. Secant
   B. Chord
   C. Diameter
   D. Tangent

10. Find the area of the triangle given below.

12 m, 13 m

A. Area = 78 square m
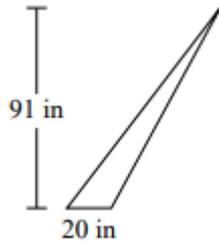B. Area = 80 square m
C. Area = 76 square m
D. Area = 75 square m

11. Find the area of the triangle given below

A. Area = 15 square ft
B. Area = 16 square ft
C. Area = 18 square ft
D. Area = 21 square ft

12. Find the area of the triangle given below.

A. Area = 910 square in
B. Area = 920 square in
C. Area = 940 square in
D. Area = 950 square in

13. If ABCD is a quadrilateral whose diagonals are equal and bisect each other at the right angle, then ABCD is a-
A. Rectangle
B. Rhombus
C. Square
D. More than one of the above
E. None of the above

14. The quadrilateral whose all its sides are equal and angles are equal to 90 degrees, it is called:
A. Rectangle
B. Square
C. Kite
D. Parallelogram

15. A rhombus can be a:

A. Parallelogram
B. Trapezium
C. Kite
D. Square

16. In a parallelogram, opposite angles are:
A. Equal
B. Unequal
C. Cannot be determined
D. None of the above

17. If a triangle and a parallelogram are on the same base and between same parallels, then the ratio of the area of the triangle to the area of the parallelogram will be:
A. 1:2
B. 3:2
C. 1:4
D. 1:3

18. Parallelogram is a:
A. Pentagon
B. Quadrilateral
C. Heptagon
D. Octagon

19. If the area of a trapezium with a base of 15 cm and height of 8 cm is 96 cm2, find the measure of the side parallel to the given base.
A. 12 cm
B. 15cm
C. 9 cm
D. 6 cm

20. Which of the following triangles have the same side lengths?
A. Scalene
B. Isosceles
C. Equilateral
D. None of these

Answer Key

1. D	2. A	3. B	4. C	5. A	6. B	7. B	8. B	9. A	10. A
11. B	12. A	13. C	14. B	15. D	16. A	17. A	18. B	19. C	20. C