



ST. LAWRENCE HIGH SCHOOL



TOPIC- Area and Perimeter

CLASS:9

Sub: Mathematics

F. M. 15

WORK SHEET NO. -12

Solution

Date: 20.4.2020

Q.1) Choose the correct options: 1x15=15

- i) If the perimeter of a square is 32m then its area will be
 - a) 64sqm
- ii) If the area of a rectangle is 60sqcm and its perimeter is 34cm then the length of the diagonal is
 - b) 13cm
- iii) The number of tiles required to cover a rectangular place 8m long and 6m wide by tiles 2dm square is
 - a) 1200
- iv) If the length of a side of a square is increased by 10% then its area will be increased by
 - d) 25%
- v) If the area of a square is 64sqcm then its perimeter will be
 - a) 32cm
- vi) If the length of the diagonal of a square is 16 cm then its area is ____ sqcm.
 - d) 128
- vii) If area of a square is 32sqcm what is the length of each diagonal?
 - d) 8cm
- viii) The length of a rectangular garden is 36m and its breadth is 25m. What is the perimeter of a square garden whose area is equal to the area of the rectangular garden?
 - a) 120m
- ix) The length of a rectangular field is 3m more than its breadth. If its area is numerically equal to its perimeter then its area will be
 - b) 18sqm
- x) The length of a rectangle is thrice its breadth. If the perimeter is 32cm then its area will be ____ sqcm
 - d) 48
- xi) The ratio of the length and breadth of a rectangle is 4:3 and its area is 108 sqcm. The length will be ____ cm
 - c) 12
- xii) The cost of covering the floor of a rectangular room with carpet is Rs120. If the length is 5m less the cost is Rs95. What is the length of the floor?
 - b) 24m
- xiii) If the area of a square and a rectangle of equal perimeter be S and R respectively then,
 - c) $S > R$
- xiv) If the length of a rectangle is 16cm and its breadth is 12cm what is the length of each diagonals?
 - b) 20cm
- xv) The area of a square garden is 400sqm. What is the cost of fencing the garden at the rate of Rs420 per metre?
 - d) Rs320.

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