

BCM SCHOOL , BASANT AVENUE,DUGRI ROAD,LUDHIANA

CLASS IX

SUBJECT: MATHEMATICS

ANSWER KEY OF ASSIGNMENT -2 (MAY 2023-24)

CH:10 (HERON'S FORMULA) AND CH:12 (STATISTICS)

1. a) $20\sqrt{2}$
2. b) 24 cm
3. b) 105
4. c) Assertion (A) is true but reason (R) is false.
5. Perimeter = $a+b+c$
 $c = 82$ cm
 $s =$ semi perimeter = 90cm.
Area of triangle = 720cm^2
Area of triangle = $\frac{1}{2} \times b \times h$
 $720 = \frac{1}{2} \times 18 \times h$
 $h = 80$ cm
6. $s = 42$ m
Area of a triangle = 336 m^2
Total Cost of levelling = $\text{Rs. } 3 \times 336 = \text{Rs. } 1008$
7. Adjusted frequency = $\frac{\text{frequency}}{\text{width}} \times \text{Minimum width}$
8. i) 21 cm
ii) A scalene triangle
iii) 84 cm^2

