

MENSURATION - 2D (AREA) WORK SHEET Answer Key

5 Marks

1. Height = 5 m
2. diagonal length = 12m
3. Area = 24300m²
4. diagonal Length = 80 m
5. Length of other side = 12 m
6. distance = 660 m
6. Area = 203 m²

7.5 Marks

1. $\frac{3a^2}{14}$ = units
2. Total Cost = Rs. 540

3. Side = a = 55 cm
4. Total cost (Rs) = 282975
5. Total cost (Rs) = 280
6. Total cost (Rs) = 870

10 Marks

1. Total cost (Rs.) = 1050
2. Total cost (Rs) = 24062.5
3. i. Area of the carpet = 40m²
ii. Area of the uncovered floor = 30m²
4. Area = 63.48 sq.m
5. Area = 7056 sq.m of the track

15 Marks

1. Area of the Rocket = 3500 cm²
2. (A) i. Perimeter = 61.71 cm² (approximately)
ii. Area = 78.57 cm² (approximately)
(B) Total cost = Rs. 26400
3. Area = 154 m²
ii. Area = 350 m²
4. (A) 42.128 cm²
(B) Radins = 45 cm
Angle = 35°
Perimeter = 117.5 cm

5. (A) Area = 1.46 cm² (approximately)
(B) = 9.42 (feet)