Kaboodle

Class 8 Maths Worksheet

WS2

Mensuration

Topic: Area of Trapezium

Name: _____

Date: _____

1. Find the area of a trapezium whose parallel sides are 16dm and 22dm and whose height is 12dm. _____ m^2

2. Find the height of a trapezium, the sum of the lengths of whose bases (parallel sides) is 60 cm and whose area is 600 cm^2. _____ cm

3. Find the altitude of a trapezium whose area is 65 cm^2 and whose base are 13 cm and 26 cm. _____ m

4. Find the sum of the lengths of the bases of a trapezium whose area is 4.2 m^2 and whose height is 280 cm. _____ m

5. The area of a trapezium is 960 cm^2. If the parallel sides are 34 cm and 46 cm, find the distance between them. _____ cm

6. The cross-section of a canal is a trapezium in shape. If the canal is 10 m wide at the top 6 m wide at the bottom and the area of cross-section is 72 m^2 determine its depth. _____ m

7. The area of a trapezium is 384 cm^2. Its parallel sides are in the ratio 3:5 and the perpendicular distance between them is 12 cm. Find the length of each one of the parallel sides.

24cm, 35cm	24cm, 40cm	40cm, 35cm	25cm, 35cm

8. The parallel sides DC and AB of a trapezium are 12cm and 36cm. Its non-parallel sides are equal to 15cm. Find the area of trapezium. _____ cm^2

9. If the area of a trapezium is 28 cm^2 and one of its parallel sides is 6 cm, find the other parallel side if its altitude is 4 cm. _____ cm

10. Find the area of a trapezium whose parallel sides of lengths 10 cm and 15 cm are at a distance of 6 cm from each other. _____ cm^2



LIVEWORKSHEETS