Kaboodle

Class 8 Maths Worksheet
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.

[   ] m²

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 cm².

[   ] cm

3. Find the altitude of a trapezium whose area is 65 cm² 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 m² and whose height is 280 cm.

[   ] m

5. The area of a trapezium is 960 cm². 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 m² determine its depth.

[   ] m

7. The area of a trapezium is 384 cm². 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.

[   ] cm²

9. If the area of a trapezium is 28 cm² 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.

[   ] cm²