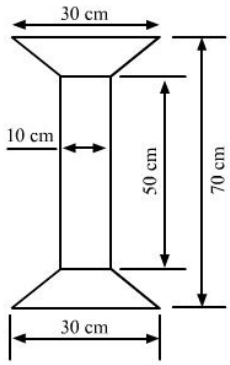
Mensuration-I area of a trapezium and a polygon Ex 20.2 Q9

Answer :

The given figure is:

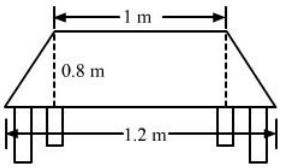


In the given figure, we have a rectangle of length 50 cm and width 10 cm, and two similar

Mensuration-I area of a trapezium and a polygon Ex 20.2 Q10

Answer :

The given figure is:



Lengths of the parallel sides are 1.2 m and 1 m and the perpendicular distance between them

$\therefore$ Area of the trapezium shaped surface$=\frac{1}{2}\times$(Sum of the parallel sides)$\times$(Perpendicular dis

$=\frac{1}{2}\times\left(1.2+1\right)\times\left(0.8\right)$

$=\frac{1}{2}\times2.2\times0.8$

$=0.88\ \text{m}^2$

Mensuration-I area of a trapezium and a polygon Ex 20.2 Q11

Answer :

Let the depth of canal be d.

Given:

Lengths of the parallel sides of the trapezium shape canal are 10 m and 6 m.

And, the area of the cross section of the canal is 72 m^2.

Area of trapezium$=\frac{1}{2}\times$(Sum of the parallel sides)$\times$(Perpendicular distance between the

$72=\frac{1}{2}\times(10+6)\times\left(d\right)$

$72=8\times d$

$\text{d}=\frac{72}{8}=9\ \text{m}$

********** END **********