Area of trapeziums

71

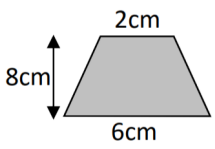
MATHS-SCHOOL

maths-school.co.uk

Name:

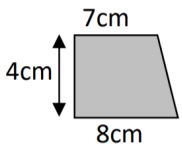
Calculate the area of these trapeziums. State the units of your answer.

a)



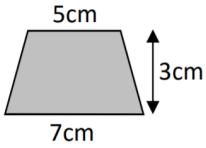
$32cm^2$

b)



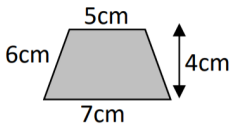
$30cm^2$

c)



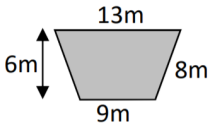
$18cm^2$

d)



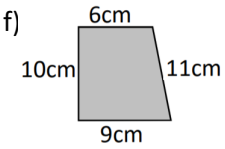
$24cm^2$

e)



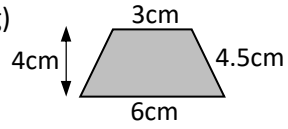
$66m^2$

f)



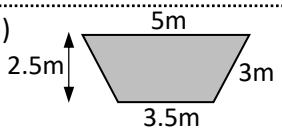
$150cm^2$

g)



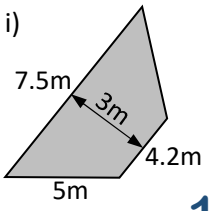
$18cm^2$

h)



$10.625m^2$

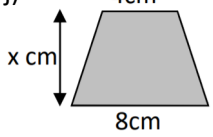
i)



$17.55m^2$

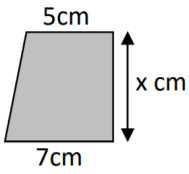
Calculate the value of x in the trapeziums:

j) Area = $36cm^2$



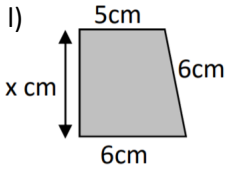
6cm

k) Area = $33cm^2$



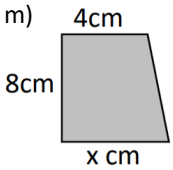
5.5cm

l) Area = $27.5cm^2$



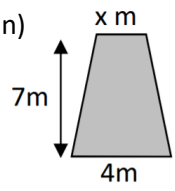
5cm

m) Area = $40cm^2$



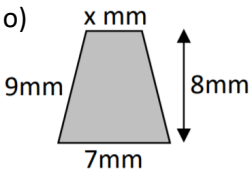
6cm

n) Area = $21m^2$



2m

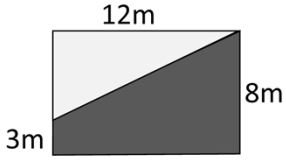
o) Area = $46mm^2$



4.5cm

Exam question:

The diagram shows a rectangle which is cut into a triangle and trapezium. Some dimensions are shown. Find the difference between the area of the dark section and the area of the light section.



$66 - 30 = 36cm^2$