Area of rectangles (counting)

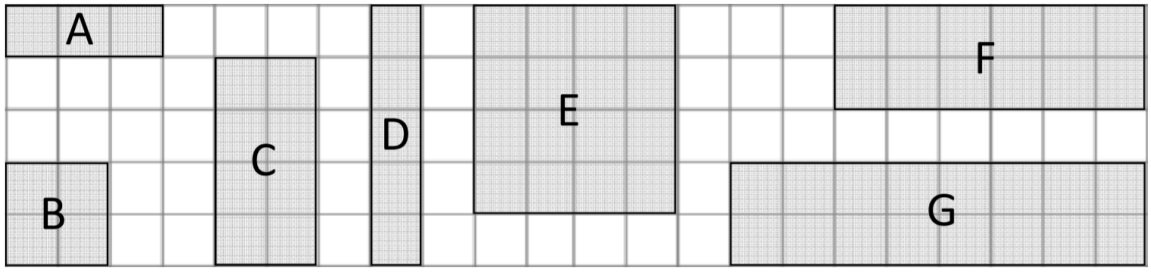
72a

maths-school.co.uk

Name:

Calculate the area of these rectangles in units squared.

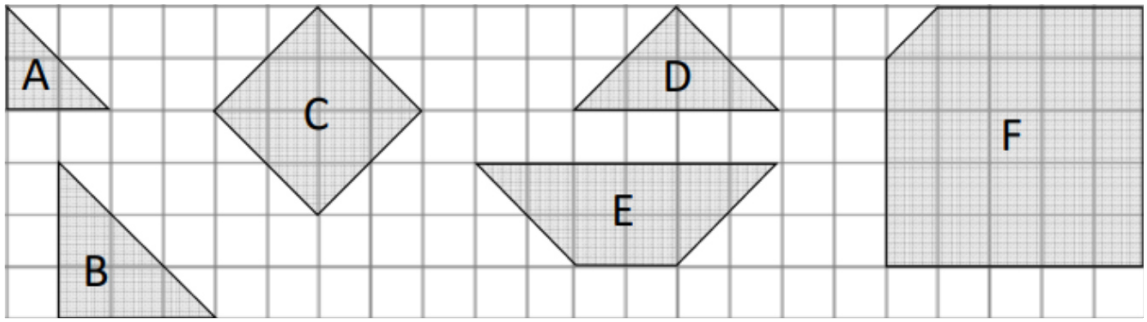
1)



A= 3 | B= 4 | C= 8 | D= 5

E= 16 | F= 12 | G= 16

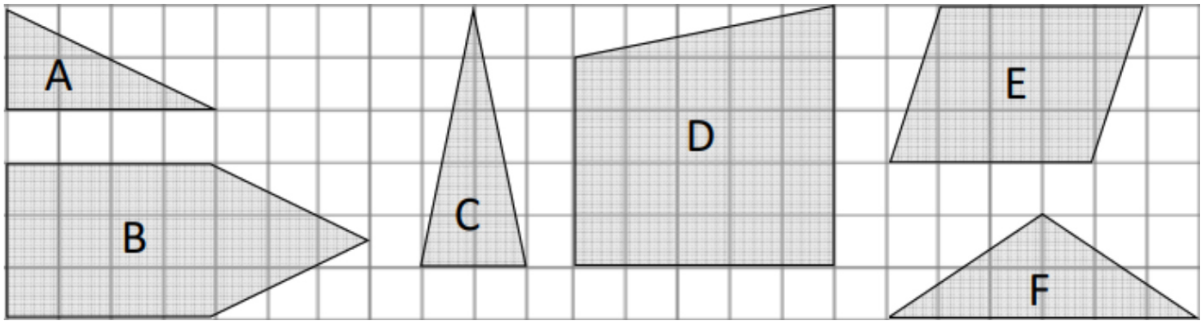
2)



A= 2 | B= 4.5 | C= 8

D= 4 | E= 8 | F= 24.5

3)



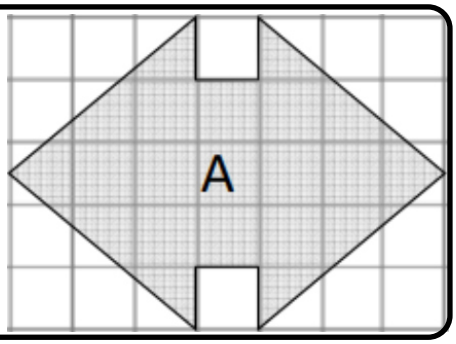
A= 4 | B= 8 | C= 16.5

D= 22.5 | E= 12 | F= 6

Exam question:

Calculate the area of the shape shown which is drawn on a cm square grid.

18cm²



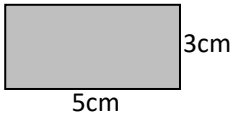
Area of rectangles

72b

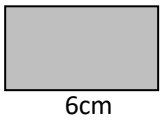
Name:

maths-school.co.uk

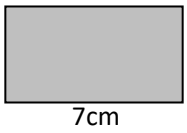
Calculate the area of these rectangles. State the units of your answer.

a) 

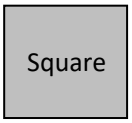
15cm²

b) 

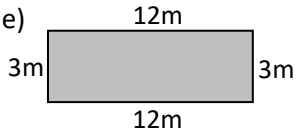
24cm²

c) 

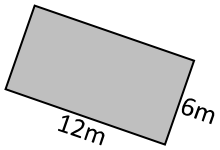
28cm²

d) 

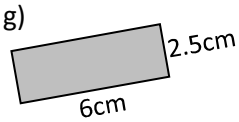
64cm²

e) 

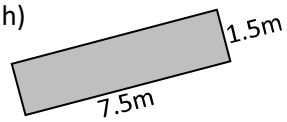
36m²

f) 

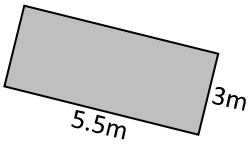
72m²

g) 

15cm²

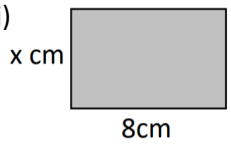
h) 

11.25m²

i) 

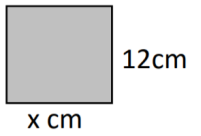
16.5m²

Calculate the value of x in the rectangles:

j) 

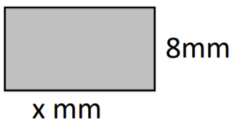
Area = 36cm²

4.5cm

k) 

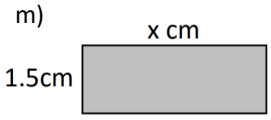
Area = 120cm²

10cm

l) 

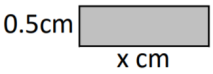
Area = 96mm²

12mm

m) 

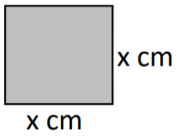
Area = 7.5cm²

5cm

n) 

Area = 4cm²

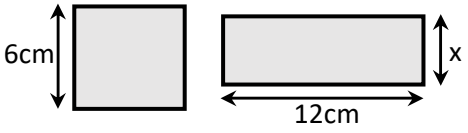
8cm

o) 

Area = 121cm²

11cm

Exam question:
The area of this square and rectangle are equal. Calculate the value of x.



6 x 6 = 36

36 ÷ 12 = 3 **3cm**

Area of compound rectangles

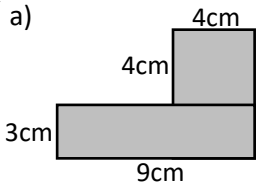
72c

maths-school.co.uk

Name:

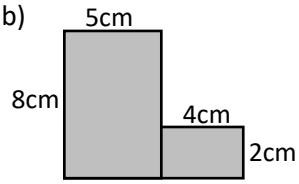
Calculate the area of these compound shapes. State the units of your answer.

a)



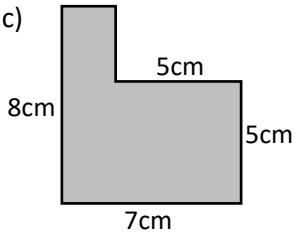
$43cm^2$

b)



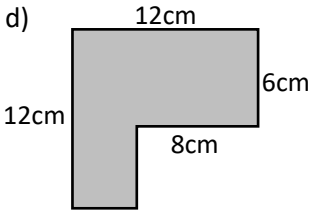
$48cm^2$

c)



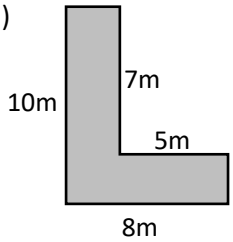
$50cm^2$

d)



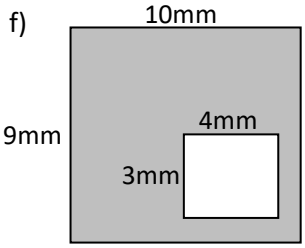
$96cm^2$

e)



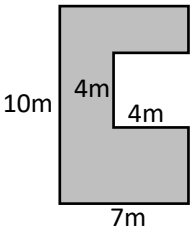
$28cm^2$

f)



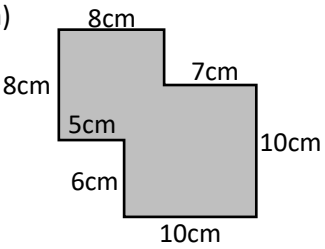
$78cm^2$

g)



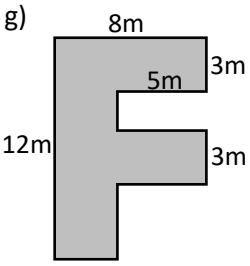
$45m^2$

h)



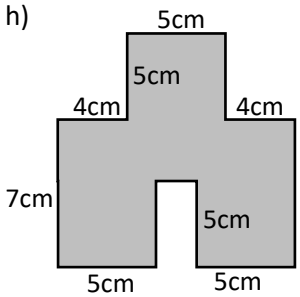
$152cm^2$

g)



$66m^2$

h)

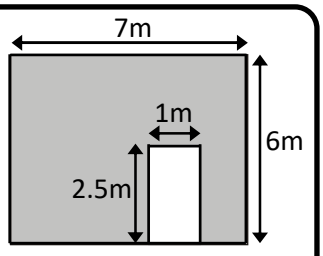


$101cm^2$

Exam question:

The diagram shows a wall with a door in it.

Calculate the area of the shaded wall.



$39.5m^2$