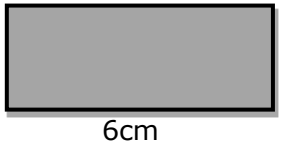
# Area of triangles

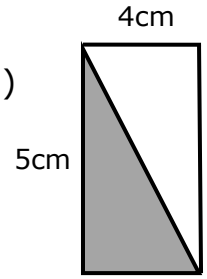
## Starter :

Find the area of the shaded regions:

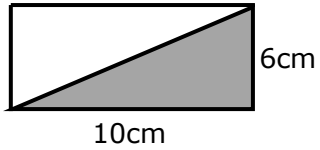
1)



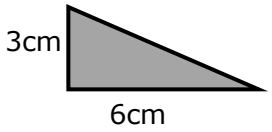

2)



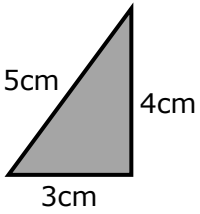

3)



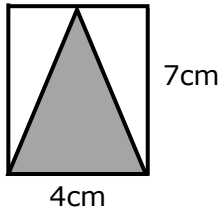

4)



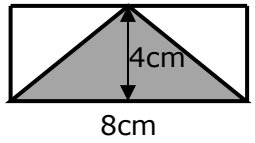

5)



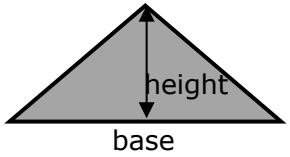

6)




7)



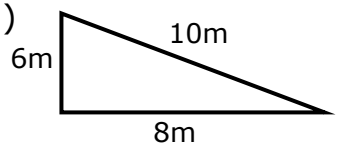

8) Using the letters b and h, write a formula for the area of this triangle:



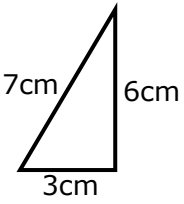

## Slightly harder :

Find the area of these triangles:

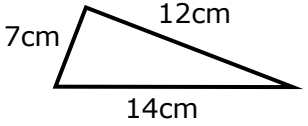
1)



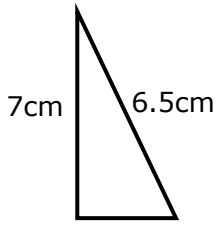

2)



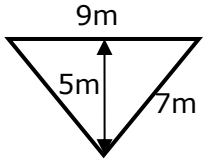

3)



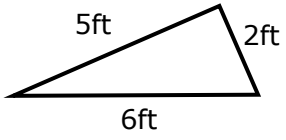

4)



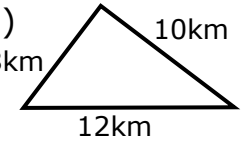

5)



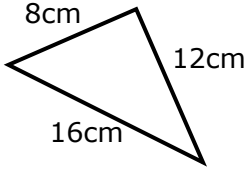

6)



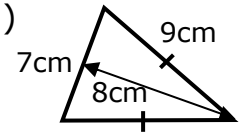

7)



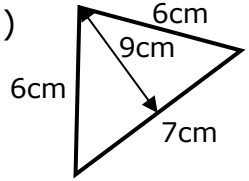

8)



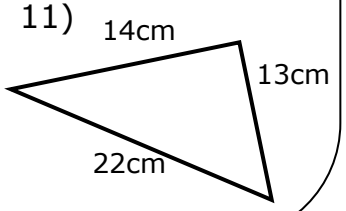

9)




10)



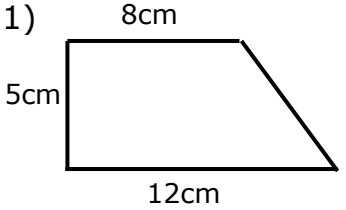

11)



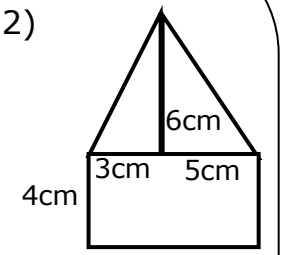

## Tricky:

Work out the area of these shapes:

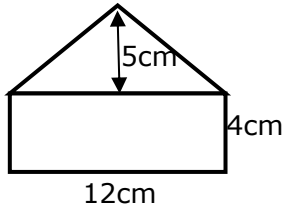
1)



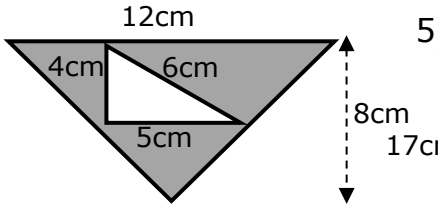

2)



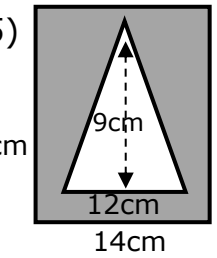

3)



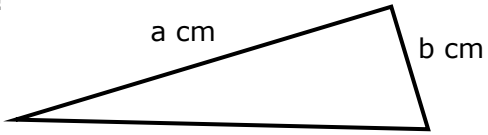

4) Work out the shaded area:




5)




6) The area of this triangle is 32cm²
What are some possible values for a and b?



# Area of triangles

Answers 1:

1) 24cm²

2) 10cm²

3) 30cm²

4) 9cm²

5) 6cm²

6) 14cm²

7) 16cm²

8) Area = $\frac{b \times h}{2}$

Answers 2:

1) 24cm²

2) 9cm²

3) 42cm²

4) 17.5cm²

5) 22.5m²

6) 5ft²

7) 40km²

8) 48cm²

9) 28cm²

10) 31.5cm²

11) 91cm²

Answers 3:

1) 50cm²

2) 56cm²

3) 78cm²

4) 38cm²

5) 184cm²

6) 1cm, 64cm
2cm, 32 cm
4cm, 16cm
8cm, 8cm