

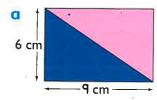
Calculating areas of triangles

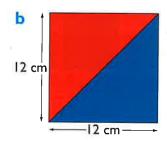
• Know and use the formula for the area of a rectangle to calculate the area of right-angled triangles given the lengths of the two perpendicular sides

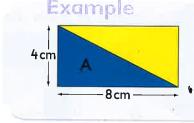
You can find the area of a triangle by using the formula:

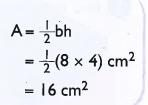
Area =
$$\frac{1}{2}$$
 × base length × height
= $\frac{1}{2}$ bh

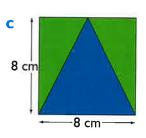
Use the formula to calculate the area of the blue triangles.

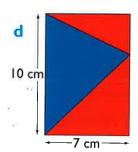












You can find the area of the red triangle by subtracting the pieces outside the triangle from the area of the square.

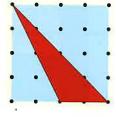
Area of square $= 16 \text{ cm}^2$

Area of pieces = $8 \text{ cm}^2 + 4 \text{ cm}^2$

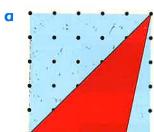
 $= 12 cm^2$

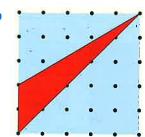
Area of triangle = (16 - 12) cm²

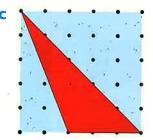
These dots are I cm apart.

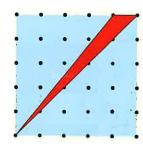


Calculate the area in cm² of the red triangles. Show the steps in your working.









Choose methods to find the area in cm² of these quadrilaterals.

