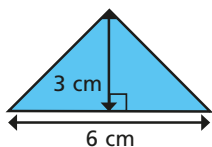


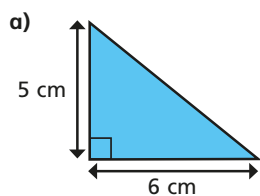
Area of a triangle (3)

1 Calculate the area of the triangle.

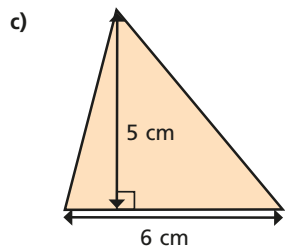


area = cm²

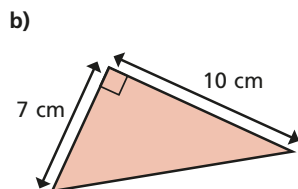
2 Calculate the area of the triangles.



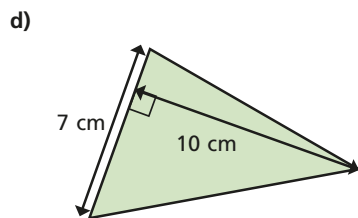
area = cm²



area = cm²

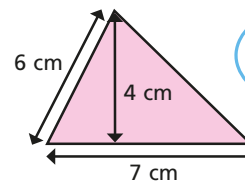


area = cm²

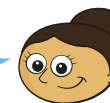


area = cm²

3 What mistake has Dora made?

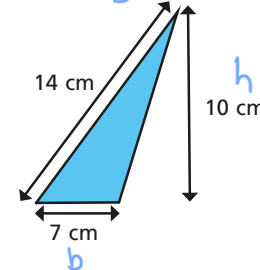
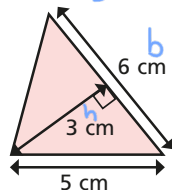
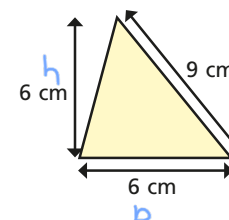
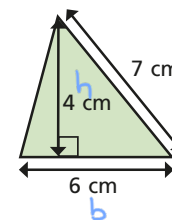


To find the area you do
 $7 \times 6 \div 2 = 21 \text{ cm}^2$



4 Label the base of each triangle *b*.

Label the perpendicular height *h*.



5 Are the statements always, sometimes or never true?

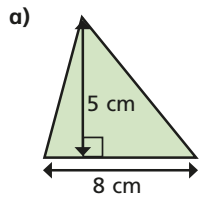
The side at the bottom of a triangle is the base.

Sometimes

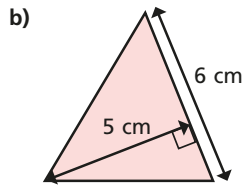
The perpendicular height is equal to the vertical height.

Sometimes

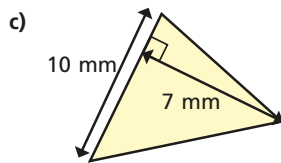
6 Calculate the area of the triangles.



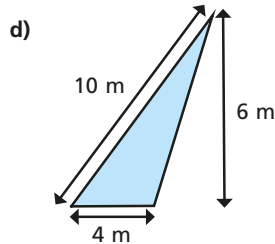
area = cm²



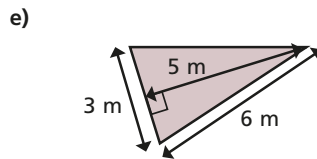
area = cm²



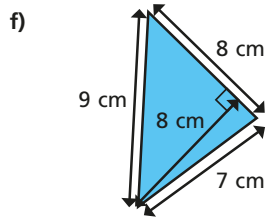
area = mm²



area = m²

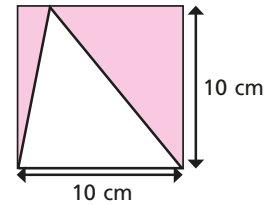


area = m²



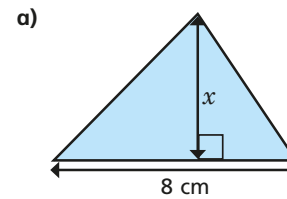
area = cm²

7 Find the area of the shaded region.

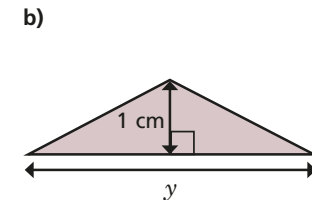


area = cm²

8 The area of each triangle is 12 cm². Find the missing lengths.

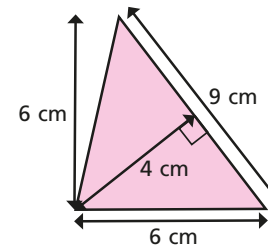


x = cm



y = cm

9 Show two ways you can work out the area of the triangle.



$$\frac{9 \times 4}{2} = 18 \text{ cm}^2$$

$$\frac{6 \times 6}{2} = 18 \text{ cm}^2$$

Compare answers with a partner.