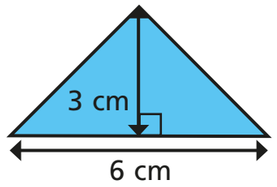
Area of a triangle (3)

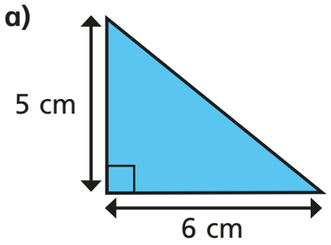
1 Calculate the area of the triangle.



area = 9 cm²

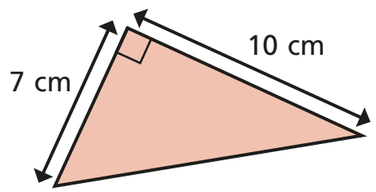
2 Calculate the area of the triangles.

a)



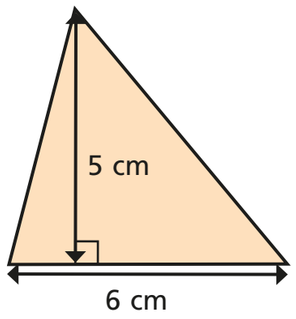
area = 15 cm²

b)



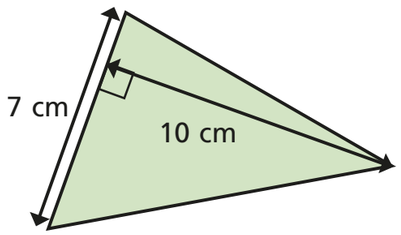
area = 35 cm²

c)



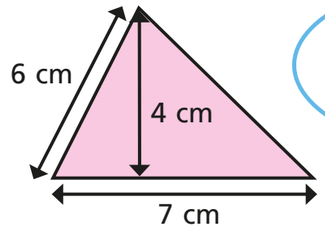
area = 15 cm²

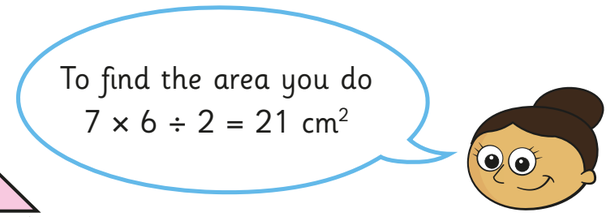
d)



area = 35 cm²

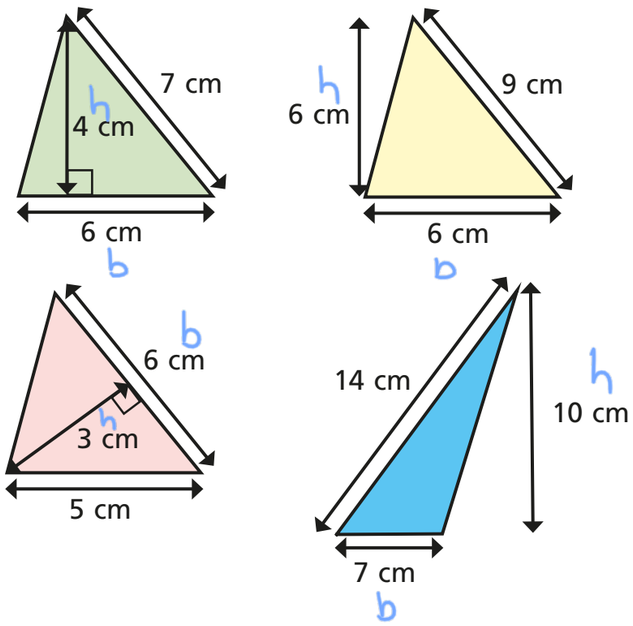
3 What mistake has Dora made?





4 Label the base of each triangle b.

Label the perpendicular height h.



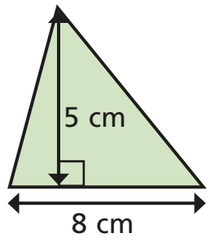
5 Are the statements always, sometimes or never true?

The side at the bottom of a triangle is the base.	The perpendicular height is equal to the vertical height.
Sometimes	Sometimes

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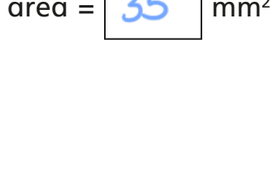
6 Calculate the area of the triangles.

a)



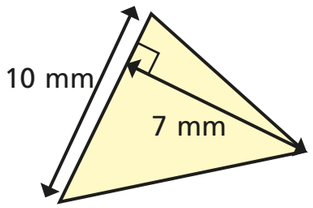
area = 20 cm²

b)



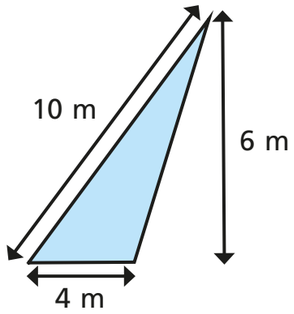
area = 15 cm²

c)



area = 35 mm²

d)

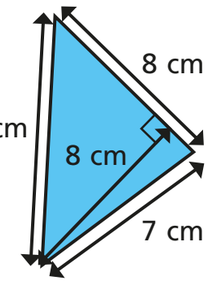


area = 12 m²

e)

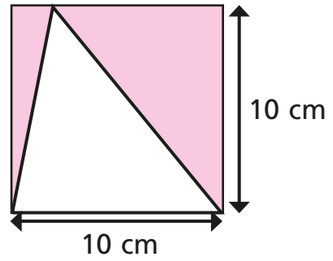
area = 7.5 m²

f)



area = 32 cm²

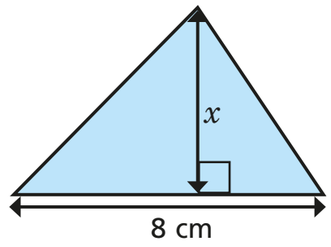
7 Find the area of the shaded region.



area = 50 cm²

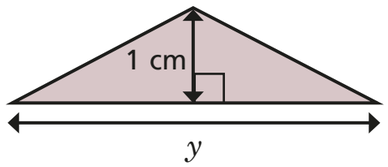
8 The area of each triangle is 12 cm². Find the missing lengths.

a)



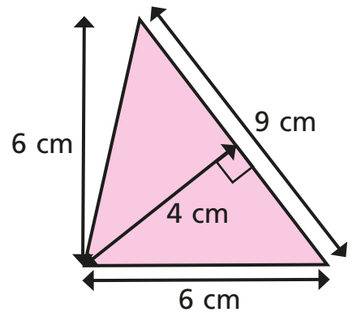
x = 3 cm

b)



y = 24 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.

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