

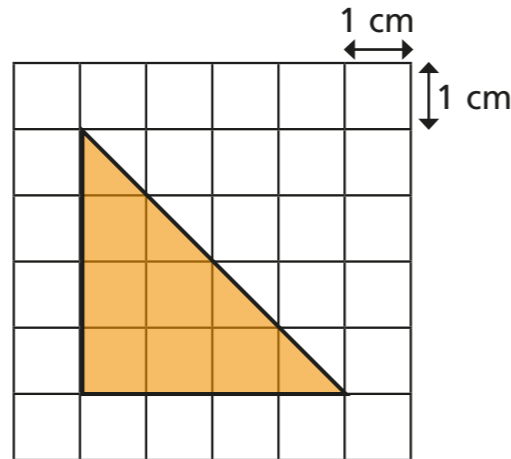
Area of a triangle (1)

1 Complete the sentences to describe the triangle.

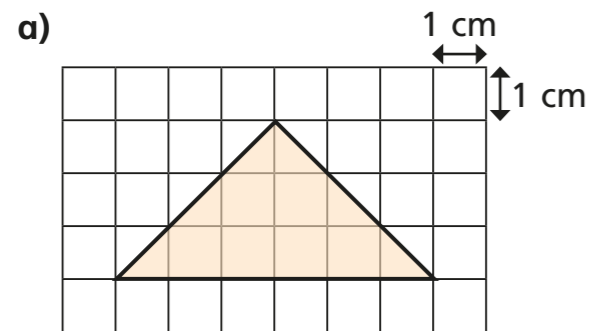
The triangle has full squares.

The triangle has half squares.

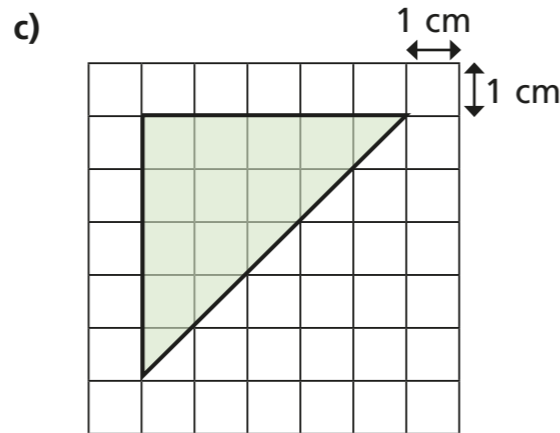
The area of the triangle is cm^2



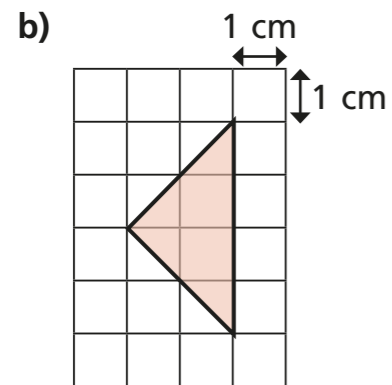
2 Count squares to work out the area of each triangle.



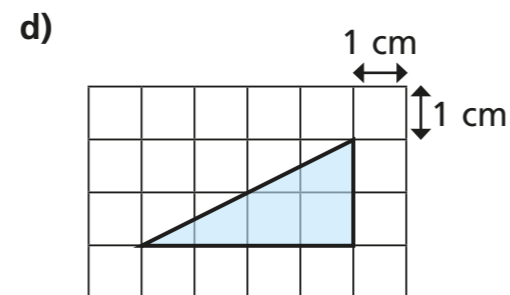
area = cm^2



area = cm^2

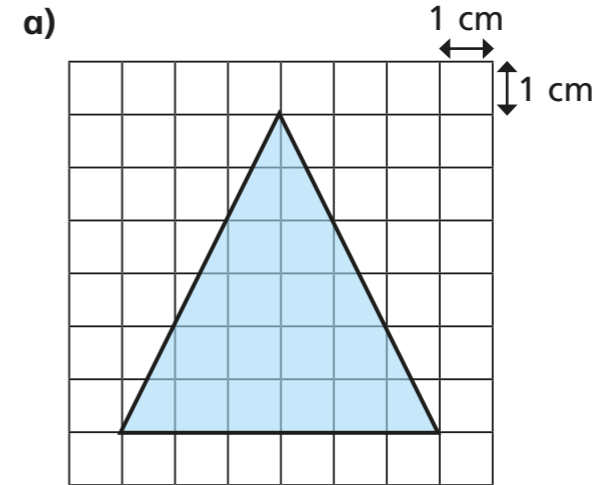


area = cm^2

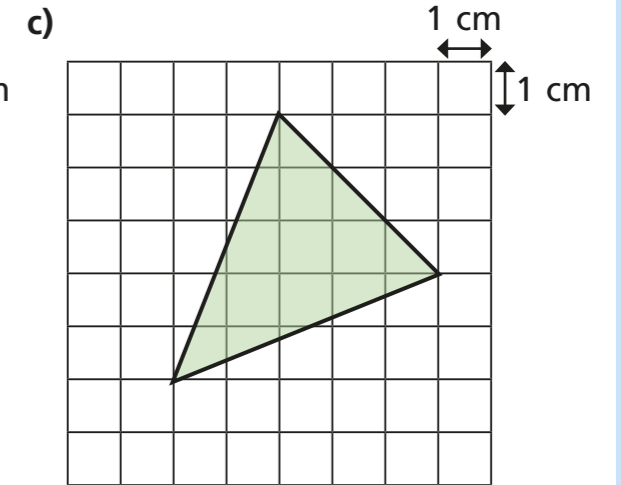


area = cm^2

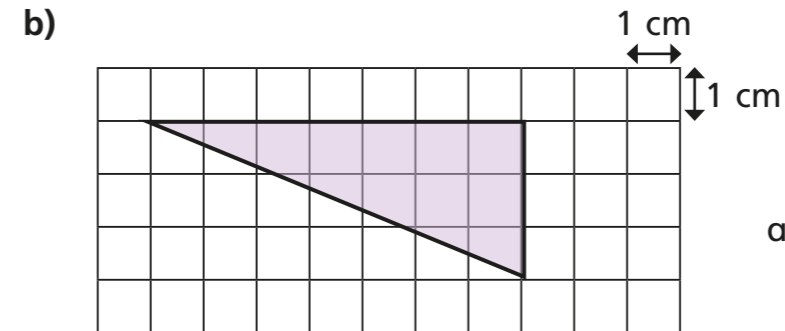
3 Count squares to estimate the area of each triangle.



area = cm^2



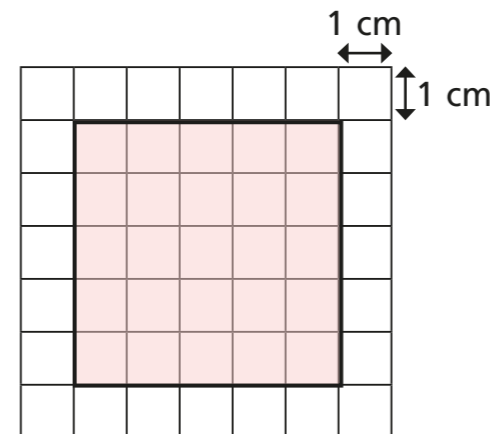
area = cm^2



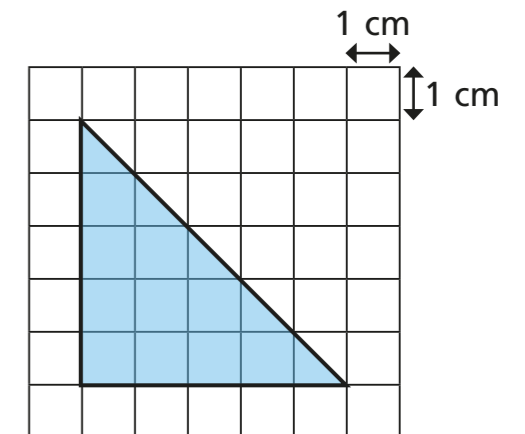
area = cm^2

Why are your answers estimates?

4 a) Work out the areas of the shapes by counting squares.



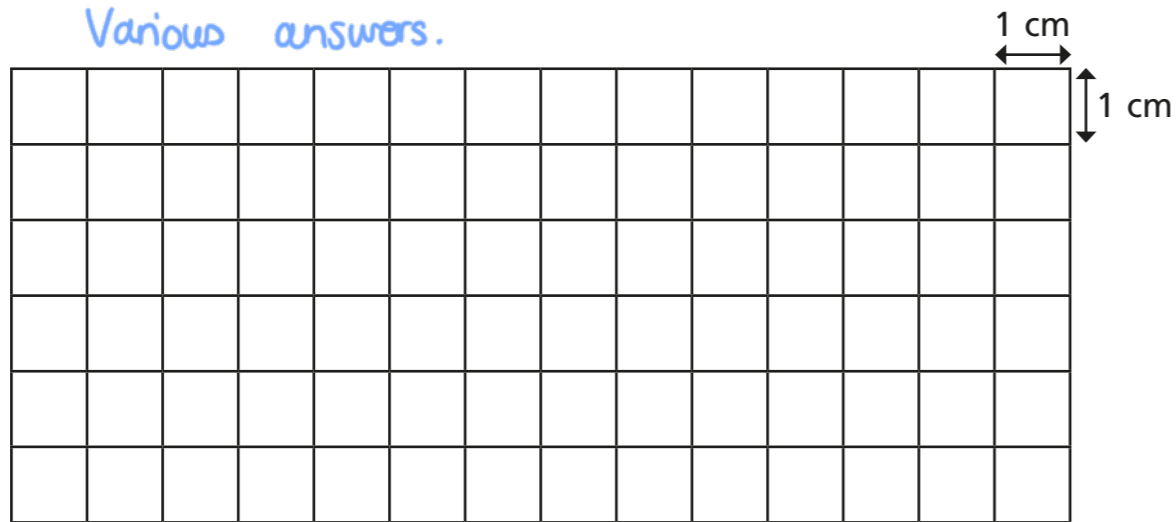
area = cm^2



area = cm^2

b) What do you notice about your answers to part a)?
Explore this using other rectangles.

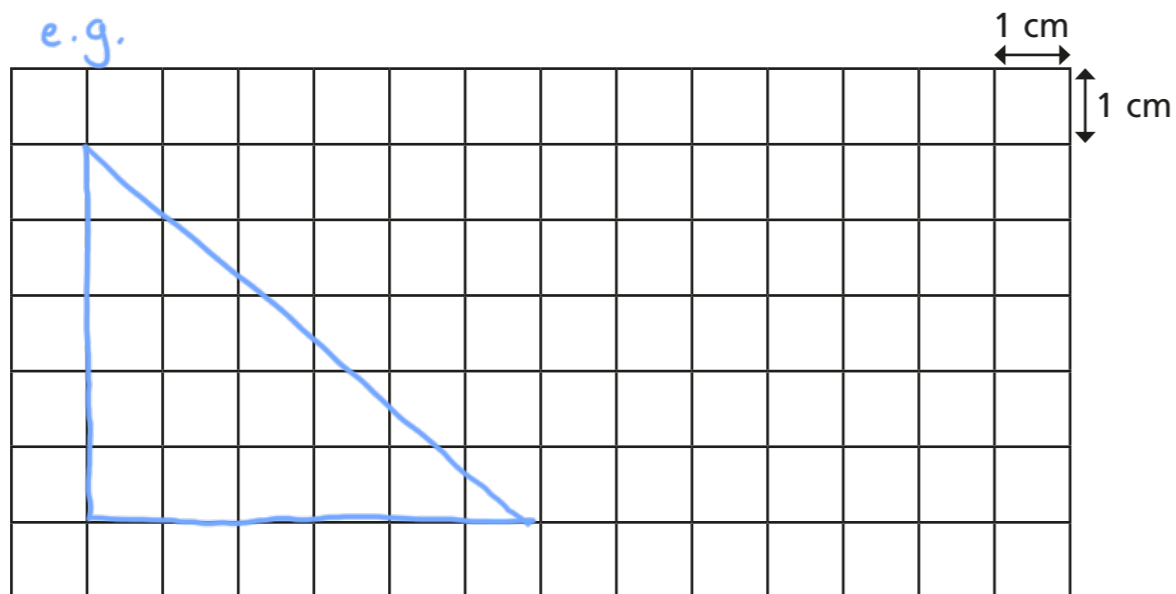
Various answers.



c) Write your findings.

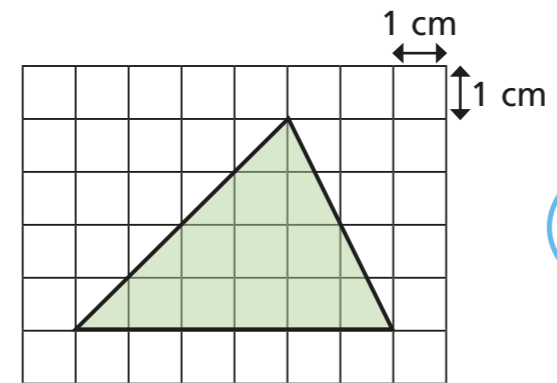
E.g. The area of a triangle is half the area of a rectangle (with same base/height)

5 Draw a triangle that has an area of approximately 15 cm^2



Compare answers with a partner.

6



I estimate the size of the triangle to be about 16 cm^2

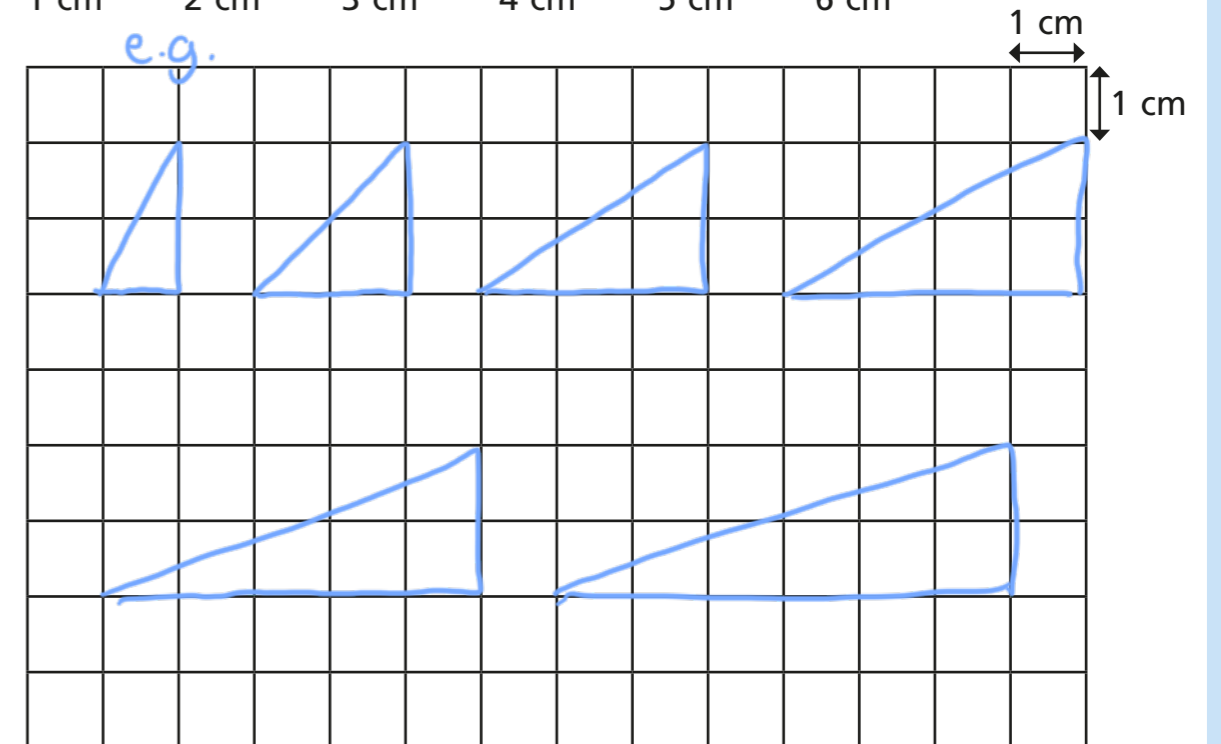
Do you agree with Eva's estimate? No

Talk about it with a partner.

7

Draw triangles with these areas.

1 cm^2 2 cm^2 3 cm^2 4 cm^2 5 cm^2 6 cm^2



Talk to a partner about the best strategies for drawing the triangles.