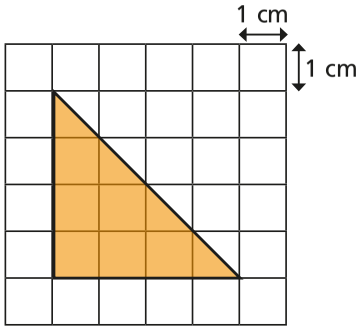
Area of a triangle (1)

1 Complete the sentences to describe the triangle.

The triangle has [6] full squares.

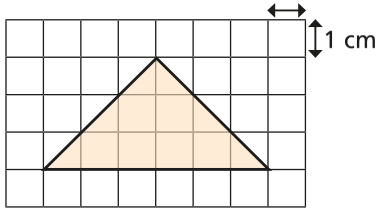
The triangle has [4] half squares.

The area of the triangle is [8] cm²



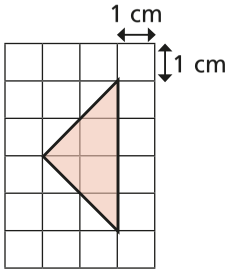
2 Count squares to work out the area of each triangle.

a)



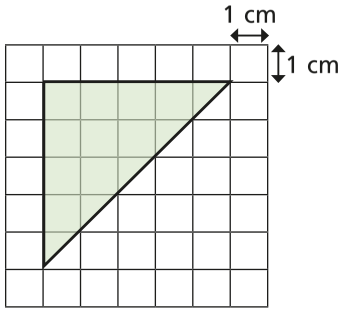
area = [9] cm²

b)



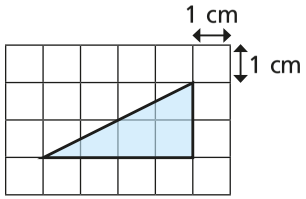
area = [4] cm²

c)



area = [12·5] cm²

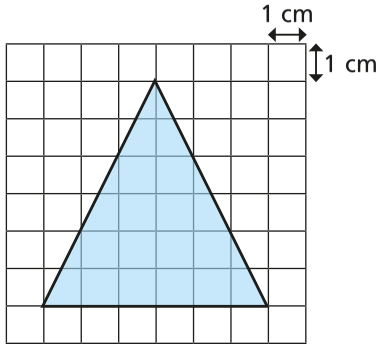
d)



area = [4] cm²

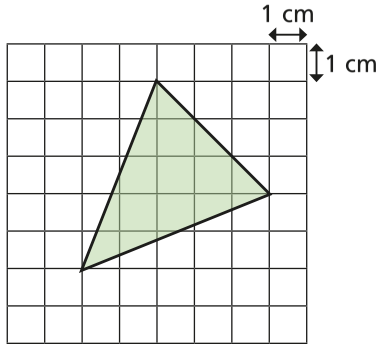
3 Count squares to estimate the area of each triangle.

a)



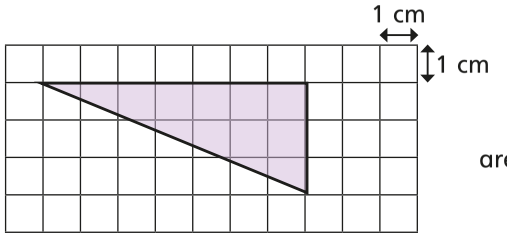
area = [18] cm²

c)



area = [10·5] cm²

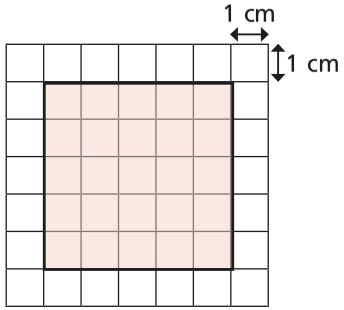
b)



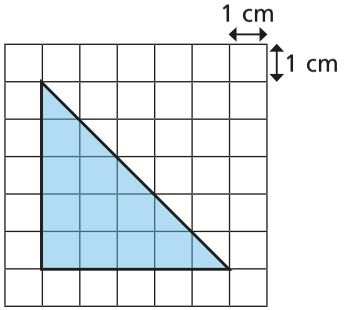
area = [10·5] cm²

Why are your answers estimates?

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



area = [25] cm²



area = [12·5] cm²

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

Various answers.

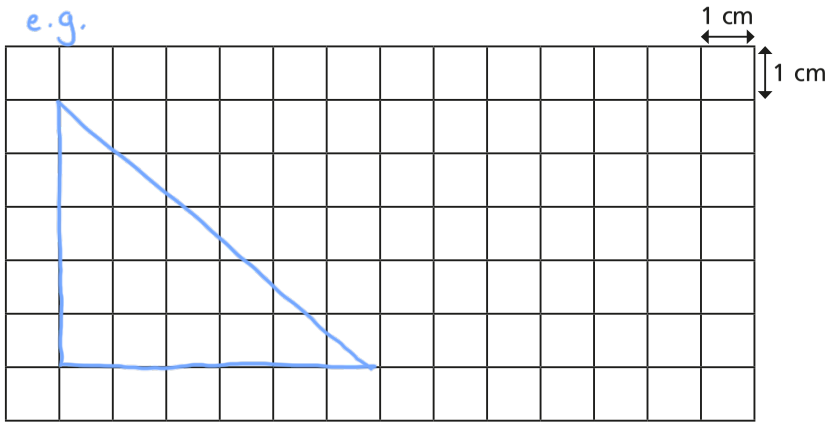


c) Write your findings.

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

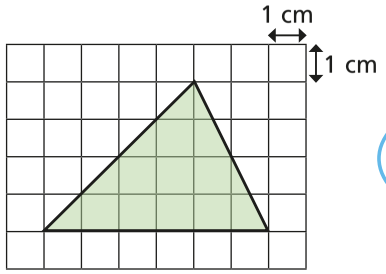
5 Draw a triangle that has an area of approximately 15 cm²

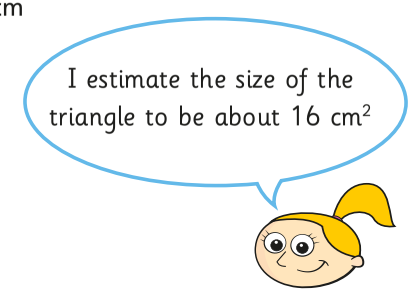
e.g.



Compare answers with a partner.

6





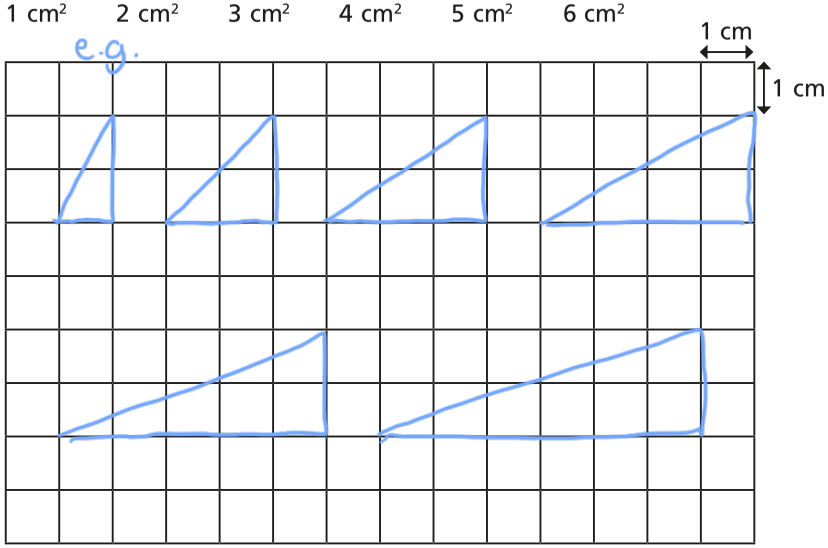
Do you agree with Eva's estimate? No

Talk about it with a partner.

7 Draw triangles with these areas.

1 cm² 2 cm² 3 cm² 4 cm² 5 cm² 6 cm²

e.g.



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

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