Please make sure that you print this resource at 100% so that all measurements are correct.
# To do this, follow the relevant steps below.

Adobe Reader or Adobe Acrobat

- Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to https://get.adobe.com/uk/reader/.

- Once Adobe Reader is installed, open your PDF.

- Go to File>Print.

- Under 'Page Sizing & Handling', select 'Size'.

- From here, make sure that 'Actual Size' is selected.

- Print this page as a test, making sure that the shape below is the correct size once printed.
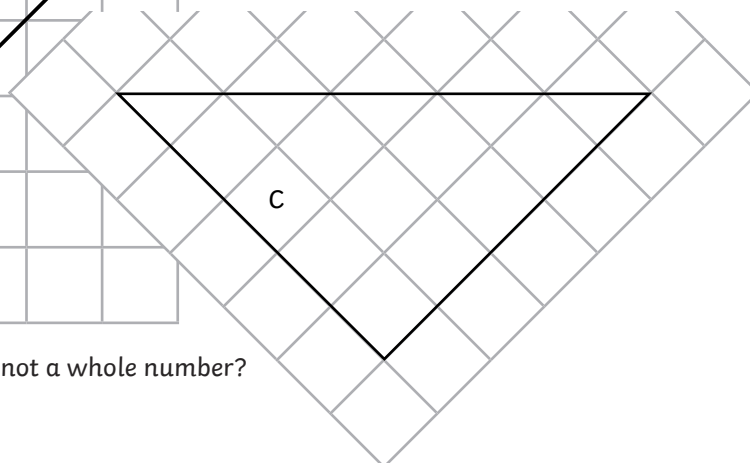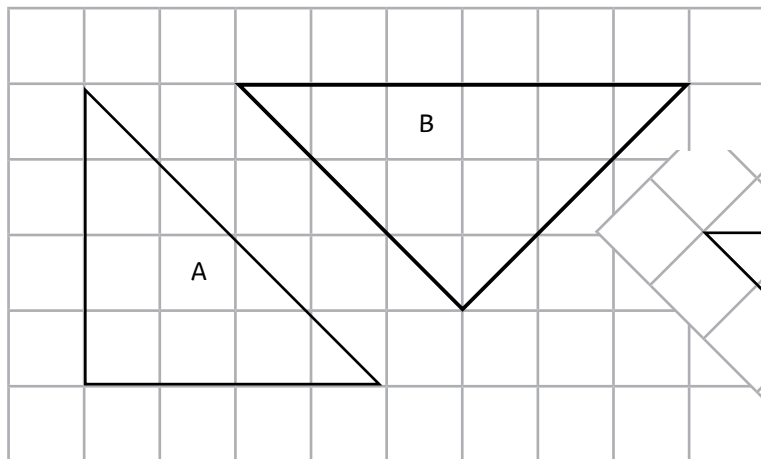
- If the test print is correct, print your PDF.

Foxit Reader
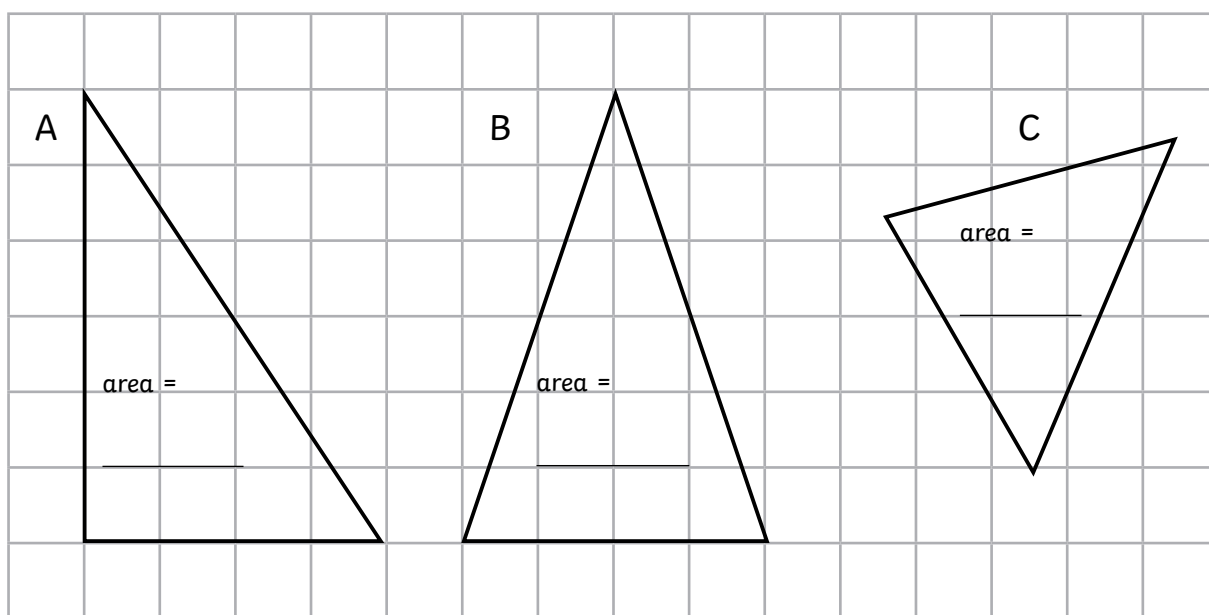
- Go to File>Print.

- Set the 'Scaling' to 'None'.

5cm
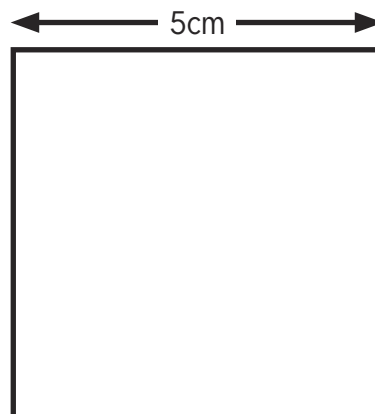
1)

    a) Which of these triangles has an area which is not a whole number?

    _____

    b) Give the area of the other two triangles.

    _____

2) Estimate the area of these triangles.

A   area = _____

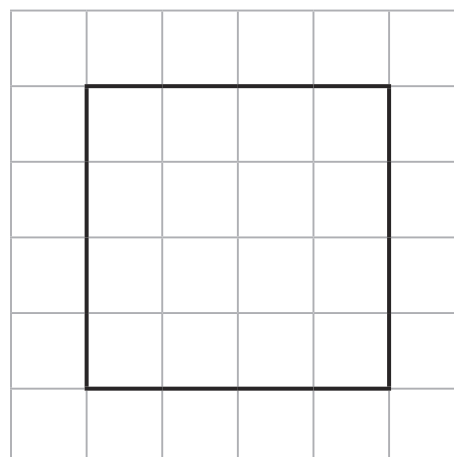B   area = _____

C   area = _____

3) a) Draw a single diagonal line so that this square is split into two triangles of the same size.

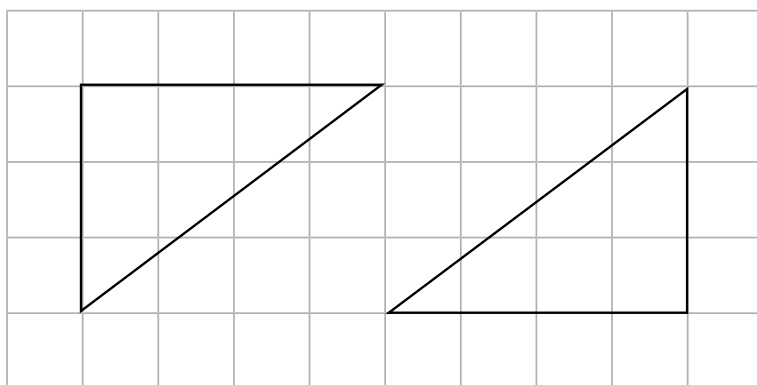   **b)** Give the area of each triangle.

    _____

    c) Compare the area of each triangle to the area of the whole square. What do you notice?

    _____

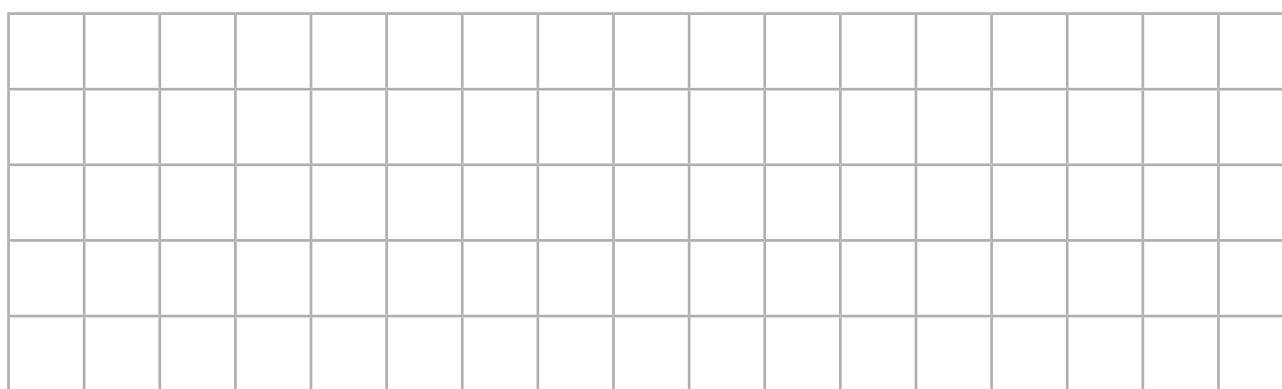**1)** Grace has two triangles of the same size.

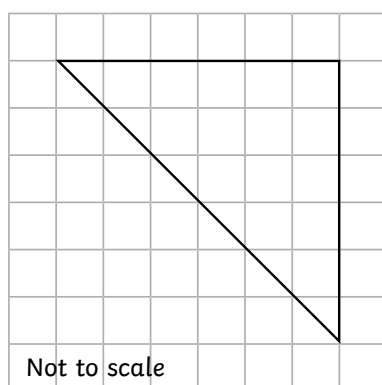If I place the two triangles together, the area of the rectangle I have made is 12cm².

I think this means that the area of each of my triangles must be 6cm².

Is Grace correct in her thinking? Prove your answer.

_____

2) Aman has been finding the area of these triangles by counting the squares. Explain the error Aman has made with each triangle.
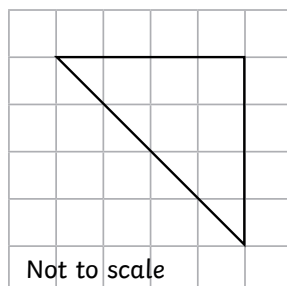
a)

Not to scale

Area = 15cm²

_____
_____
_____

b)

Not to scale

Area = 10cm²

_____
_____
_____

1) I cut these triangles out of 1cm^2 paper. After I have cut all the triangles out, what area of the original piece of paper is left?
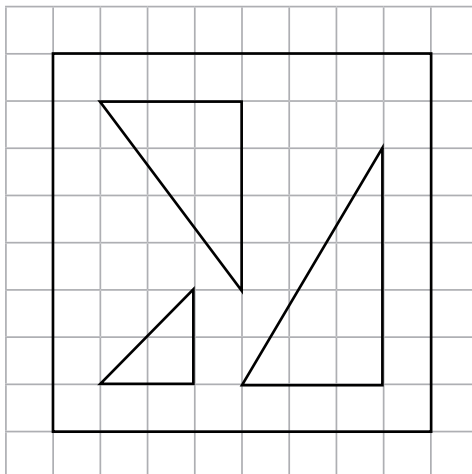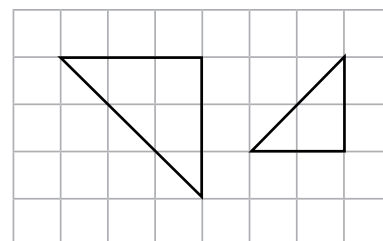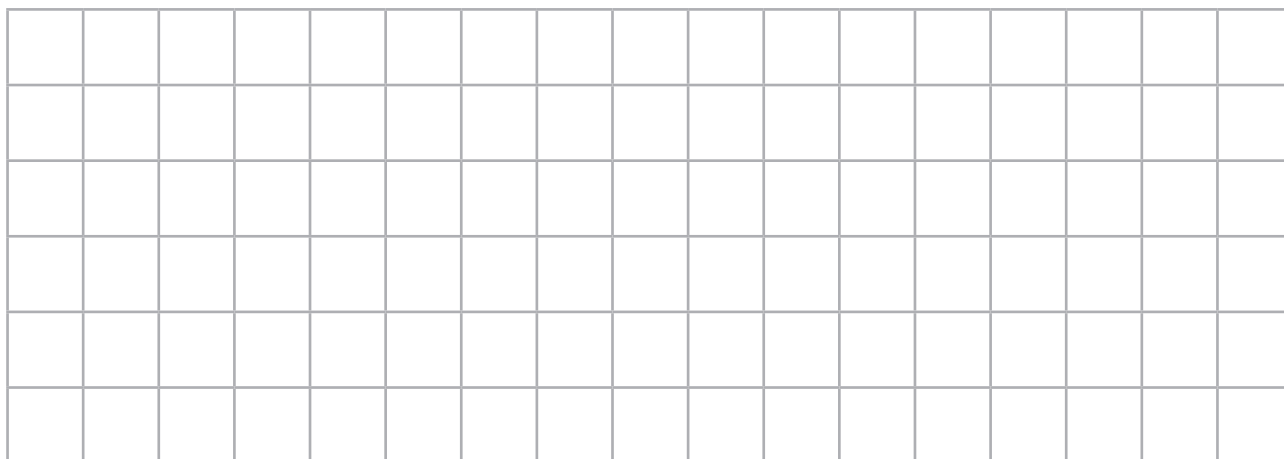
Area = _____

2) Sadie is drawing right-angled triangles.

I've noticed that the area of some of my triangles is equal to the length of the two shortest sides when they are added together.

Investigate which right-angled triangles Sadie could have drawn.

Sadie could have drawn = _____