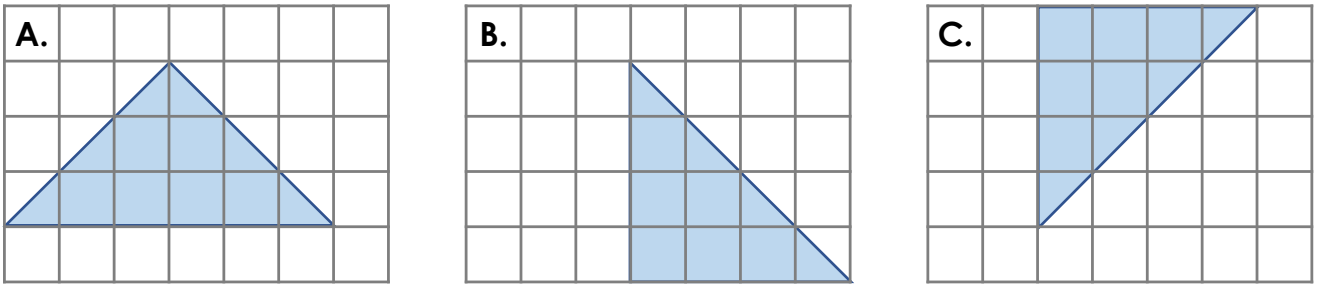
Area of a Triangle 1

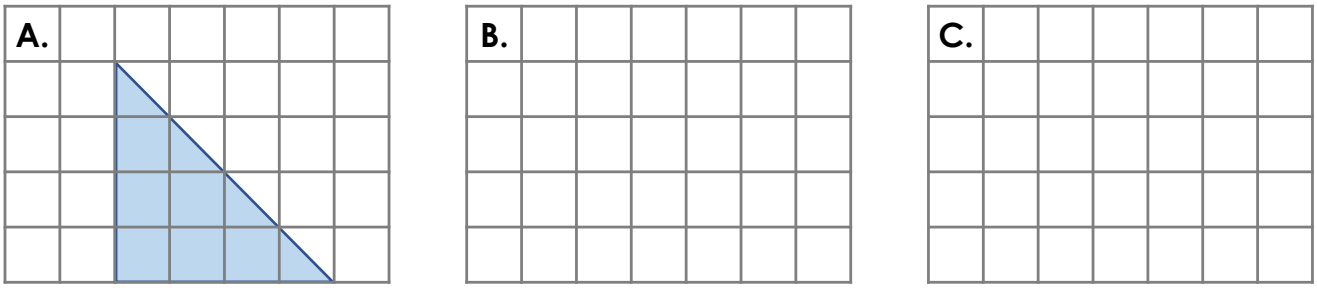
1. Counting the squares to help you, tick the triangle below which has a different area from the others.



D

VF
HW/Ext

2. Count the squares to find the area of triangle A. Draw two different triangles with the same area.



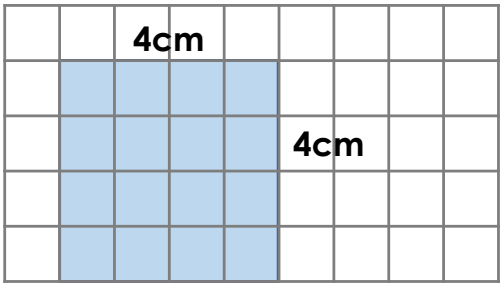
D

Not to scale

VF
HW/Ext

3. Teesha says,

If I were to make a right-angled triangle with half the area of this square, the area would have seven squares, which would equal 7cm².



Using a drawing of a triangle to support your answer, explain whether Teesha is correct.

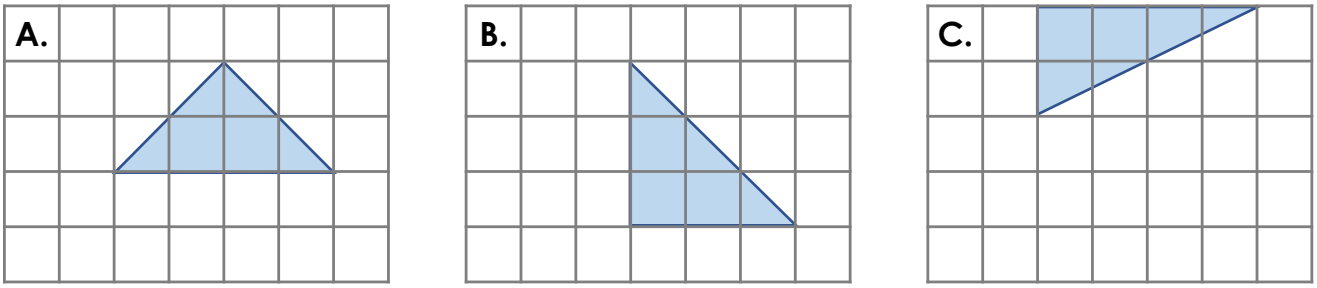
D

Not to scale

RPS
HW/Ext

Area of a Triangle 1

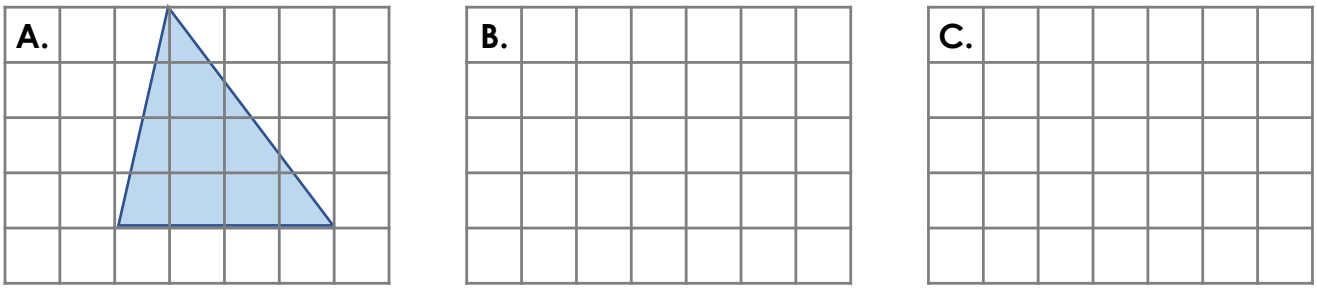
4. Counting the squares to help you, tick the triangle below which has a different area from the others.



E

VF
HW/Ext

5. Count the squares to find the area of triangle A. Draw two different triangles with the same area.



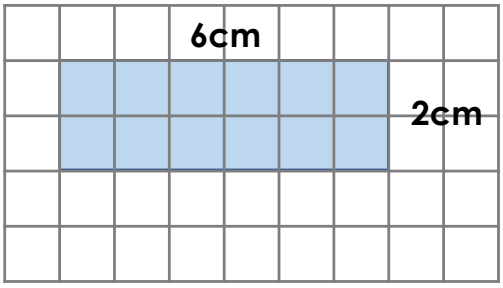
E

Not to scale

VF
HW/Ext

6. Jonah says,

If I were to make a right-angled triangle with half the area of this rectangle, the area would have six squares, so would be 6cm^2.



Using a drawing of a triangle to support your answer, explain whether Jonah is correct.

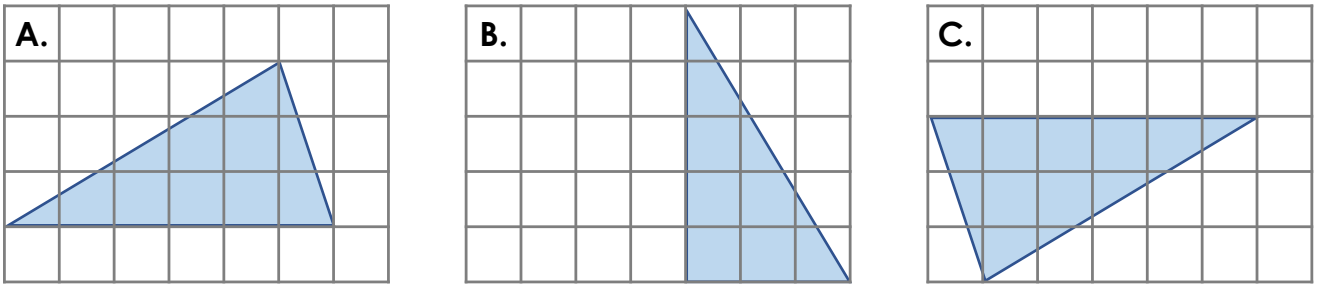
E

Not to scale

RPS
HW/Ext

Area of a Triangle 1

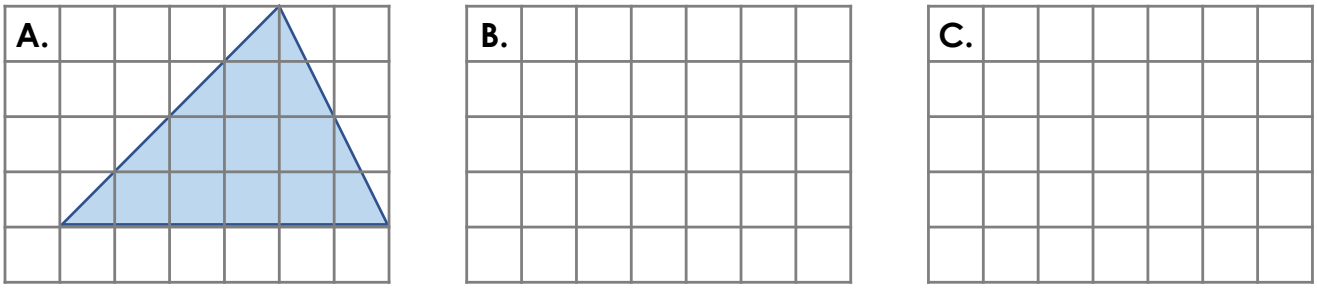
7. Counting the squares to help you, tick the triangle below which has a different area from the others.



GD

VF
HW/Ext

8. Each square below is equal to 2cm². Count the squares to find the area of triangle A. Draw two different triangles with the same area.



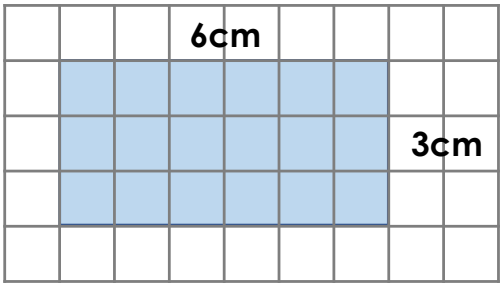
GD

Not to scale

VF
HW/Ext

9. Arnold says,

I am able to make a triangle within the area of this rectangle which has an area of 7cm².



Arnold is correct. Draw 3 different triangles that can be created to help Arnold prove his statement.

GD

Not to scale

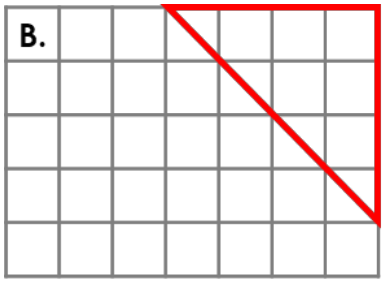
RPS
HW/Ext

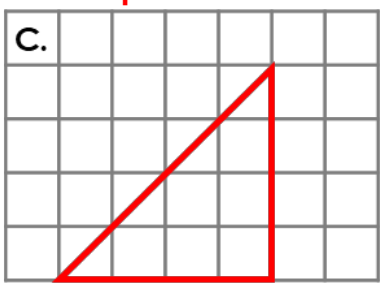
Homework/Extension
Area of a Triangle 1

Developing

1. A

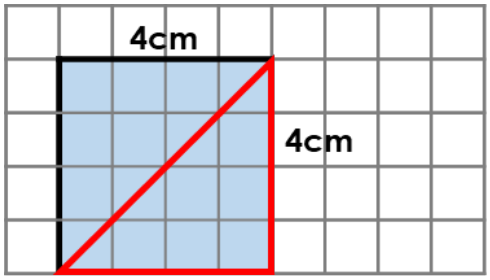
2. $8cm^2$. Various answers, for example:





3. Various answers, for example:

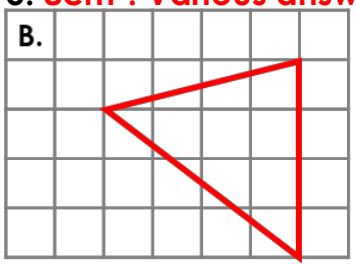
Teesha is incorrect. If half the area of the square is used to create a right-angled triangle, then the area of the triangle would be $8cm^2$, not $7cm^2$ as shown below.

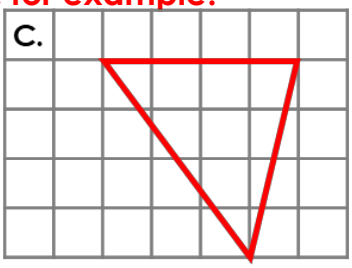


Expected

4. B

5. $8cm^2$. Various answers, for example:





6. Various answers, for example:

Jonah is correct. If half the area of the rectangle is used to create a right-angled triangle, then the area of that triangle would be $6cm^2$, as shown below.