**Triangles**

If these two triangles are SIMILAR, what are the missing dimensions on the second triangle?

4cm 5cm 10cm
3cm 6cm

Extension: Draw some other SIMILAR triangles

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**L.O.**

- all pupils can describe and use similar shapes
- most pupils can distinguish between similar and congruent shapes
- some pupils can notice similar shapes in unusual forms

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**Main 1: similar shapes**

From the starter, what is a similar shape?

Shapes that have the same angles. They are just ENLARGEMENTS of one another.

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**Main 1: similar shapes**

Draw some shapes that are similar to this shape:

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**Main 1: similar shapes**

These two triangles are similar. Triangle B is twice the size of triangle A. Write down the corresponding lengths and angles of triangle B.

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L.O.

- all pupils can describe and use similar shapes
- most pupils can distinguish between similar and congruent shapes
- some pupils can notice similar shapes in unusual forms
Main 2: similar and congruent shapes

Are these two shapes similar?

Yes, they are a special type of similar, congruent!

L.O.

- all pupils can describe and use similar shapes
- most pupils can distinguish between similar and congruent shapes
- some pupils can notice similar shapes in unusual forms

Main 3: similar shapes in unusual forms

Fill in the missing lengths for these similar triangles (Hint, you will need to find the scale factor)

Main 3: similar shapes in unusual forms

Plenary:

What is the difference between similar and congruent shapes?