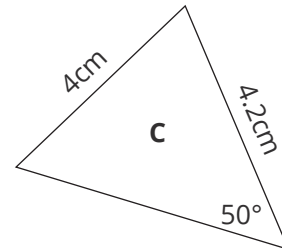
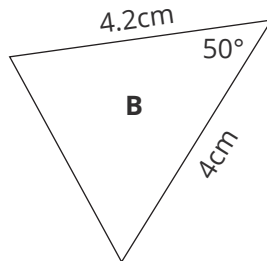
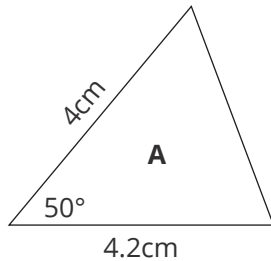




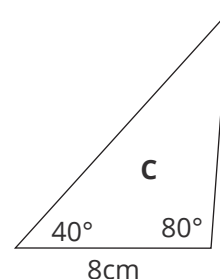
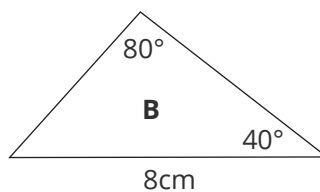
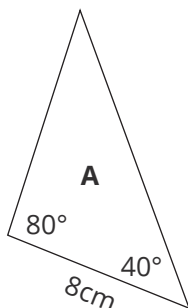
An Introduction to Congruence – Odd One Out

1. a. Look at the three triangles below. Choose the one that is not congruent to the others (not drawn to scale).



- b. John says he can draw a triangle which is congruent to triangle C. John is wrong. Explain why.

2. a. Look at the three triangles below. Choose the one that is not congruent to the others (not drawn to scale).

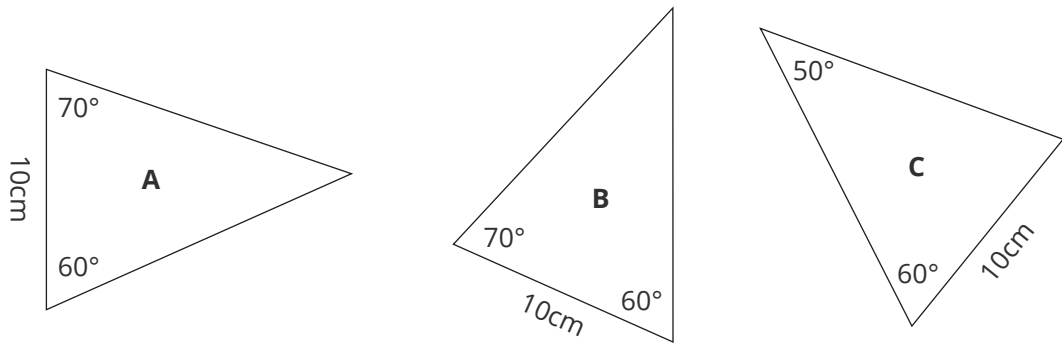




An Introduction to Congruence – Odd One Out

- b. Draw a fourth triangle which is congruent to triangle B. Your triangle does not have to be to scale.
3. Draw three triangles, each with an angle labelled 70° and two sides labelled 3cm and 5cm. Two triangles should be congruent, one triangle should not. The triangles do not need to be drawn to scale.
4. Draw three triangles, each with a side labelled 5cm, an angle labelled 40° and an angle labelled 70° . Two triangles should be congruent, the third should not. The triangles do not need to be drawn to scale.

5. Amy says one only two of the triangles below are congruent.
- a. Is Amy correct? Explain your answer. Not drawn to scale.



- b. Draw a triangle which includes the measurements given in the triangles above, which is **not** congruent to A, B or C.