## Construct triangles using SSS

White R©se Maths

Eva sketches an isosceles triangle.

3

a) Make an accurate construction of the triangle.

Use a ruler and a pair of compasses to construct a triangle with side lengths of 7 cm, 6 cm and 4 cm.

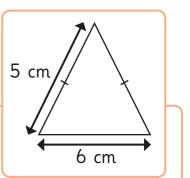
Discuss your method with a partner. Which side did you draw first?

Construct an equilateral triangle with a side length of 5 cm.

**b)** Use the accurate construction to work out the area of the triangle. Show the steps in your working.

Show that a triangle with sides of 3 cm, 4 cm and 5 cm is right-angled.

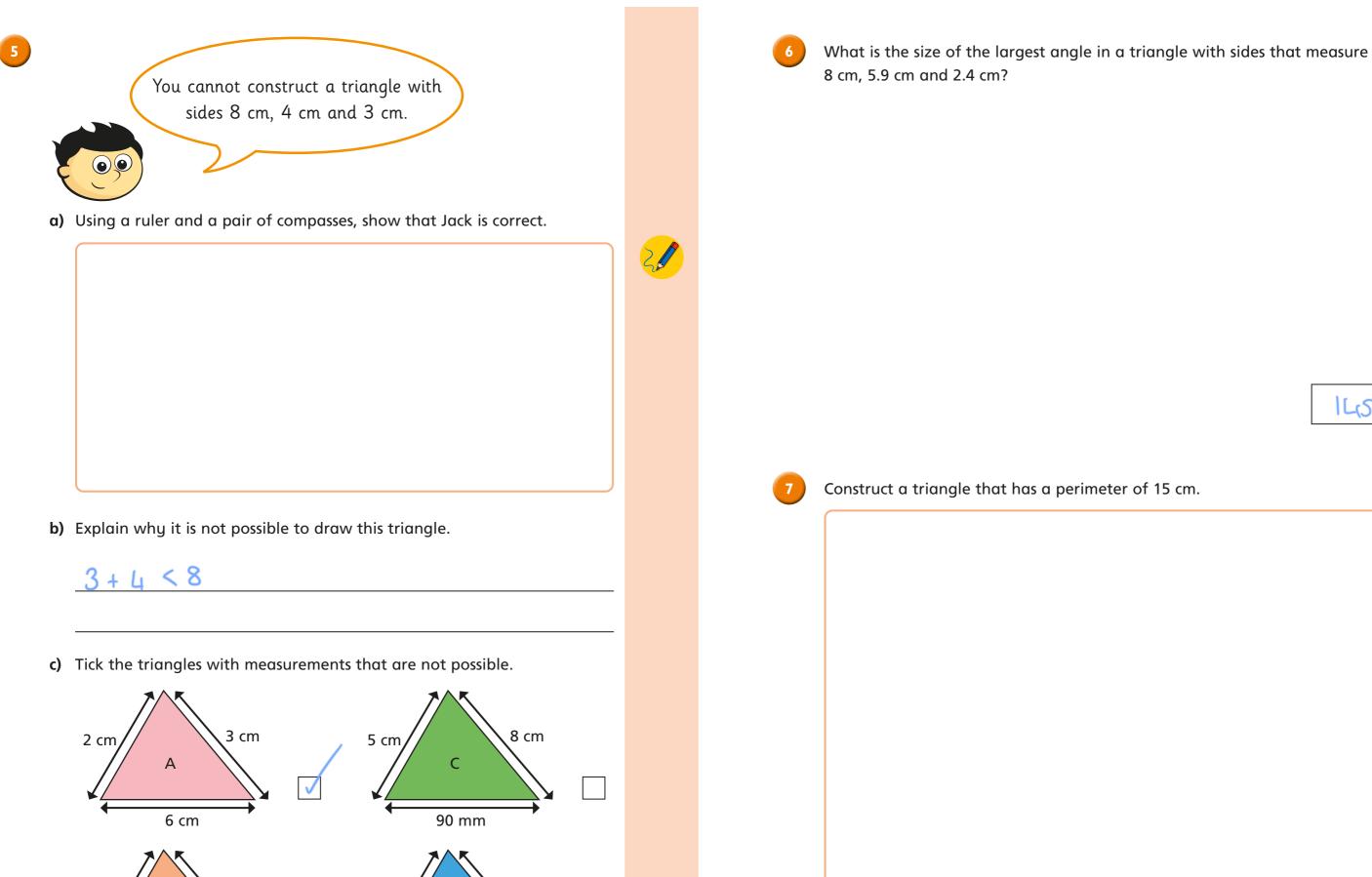








© White Rose Maths 2020



2.7 cm

D

15 cm

6 cm

B

9 cm

11 cm

12.3 cm

Compare answers with a partner. How many different triangles can you find?







