WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 14

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

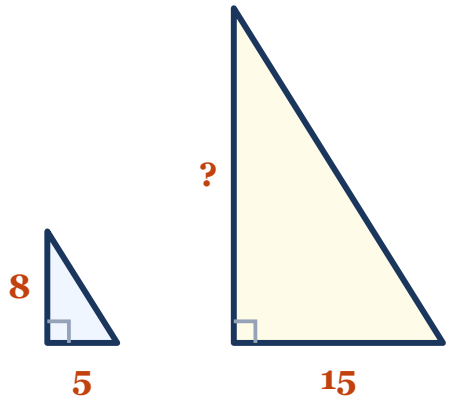
1 What does it mean if two shapes are congruent? (2)

2 What does it mean if two shapes are similar? (2)

3 Are all congruent shapes also similar? (1)

4 Are all similar shapes congruent? (1)

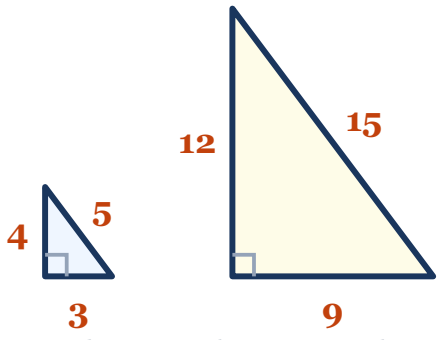
5 Two similar triangles: sides 5 cm and 8 cm; the matching side to 5 is 15 cm. Find the other. (2)



drawn at the same scale

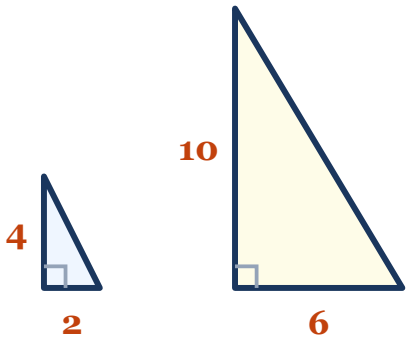
6 A rectangle 4 cm × 6 cm is enlarged by scale factor 2. What are the new sides? (2)

7 Triangle A has sides 3, 4 and 5. Triangle B has sides 9, 12 and 15. Are they similar? (2)



drawn at the same scale

8 Right-angled triangle A has legs 2 and 4. Right-angled triangle B has legs 6 and 10. Are they similar? **(2)**



drawn at the same scale

TOTAL: 14 marks

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