

### Ratio and Proportion

- 1) A photograph is enlarged in the ratio 3:5. If the original photo was 7.2cm high, how high is the enlarged photo?
- 2) A jug of drink consists of wine and fruit juice in the ratio 2:5. If there are 3.5 litres of drink in the jug, how much of this is wine?
- 3) A map has a scale of 1:25000. Two landmarks are 8.2km apart on the ground. How far are they apart on the map?
- 4) Another jug of drink consists of wine and fruit juice in the ratio 3:8. If there are 3.2 litres of fruit juice in the jug, how much wine is there?
- 4) (a) Simplify the ratio  $\frac{1}{3}:\frac{3}{5}$   
(b) Write the ratio 8:75 in the form 1:x (where x is a decimal number).

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