





Answers

1)	3cm		
	rectangle A	2cm	
	9cm		
	recta	ngle B	6cm
The scale factor enlargement from rectangle A to rectangle B is 3.			to rectangle B is 3.
2)	3.6cm ÷ 2.4cm = 1.5 A scale factor enlargement of 1.5 has been applied. If the scale factor enlargement of 1.5 was applied to shape C, 3.6 would need to be multiplied by 1.5 to find the correct length. 3.6cm × 1.5 = 5.4cm Raul is incorrect. Shape C would have a length of 5.4cm (and a height of 4.5cm).		
3)	The rectangle must have 35 ÷ 14 = 2.5 The rectangle has been 14c	e sides 14cm and 2cm. enlarged by a scale fac m	2cm
4)	Enlarging by fractional scale factors results in the dimensions of any shape becoming smaller, even though we still refer to this as an enlargement. Examples of possible answers: With a scale factor of 0.5 side lengths are 5cm and 2.5cm. With a scale factor of 0.25 side lengths are 2.5cm and 1.25cm. With a scale factor of 0.1 side lengths are 1cm and 0.5cm. Also accept scale factors written in using the equivalent fractions and percentages: $0.5 = 50\% = \frac{1}{2}$ $0.25 = 25\% = \frac{1}{4}$ $0.1 - 10\% = \frac{1}{10}$		



