

Video 292

1

- a) 16cm b) 12cm c) 3cm d) 9cm
e) 45cm f) 2.5cm

2a) $4 \times 2 = 8$, but 7×2 does not equal 15

b) AB and CB have been multiplied by 8, but AC has been multiplied by 7

3) 18cm

4a) 24cm b) 5.5cm

5a) 65° b) 11cm

6a) 15.6cm b) 6.4cm

7a) 20cm b) 10cm

8) 14.4cm

9) (a) $x = 6\text{cm}$ (b) $y = 22.5\text{cm}$

Apply:

1) 126cm^2

2) For shapes to be similar, corresponding sides must be multiplied by a common scale factor.

3) 150cm