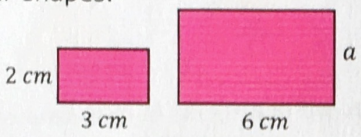
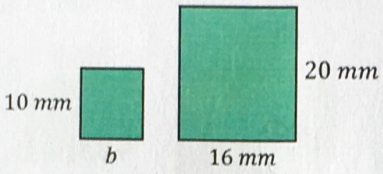
Similar Shapes

Find the missing lengths in these pairs of similar shapes.

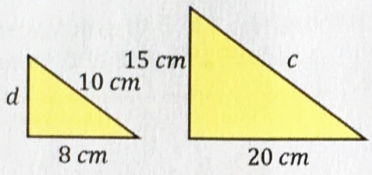
(a)



(b)



(c)



(a) $a = 4\text{ cm}$

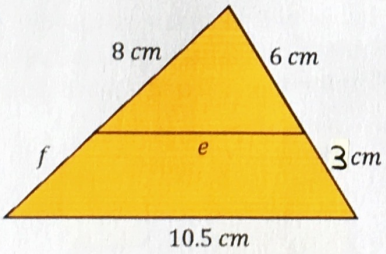
(b) $b = 8\text{mm}$

(c) $c = 25\text{cm}$

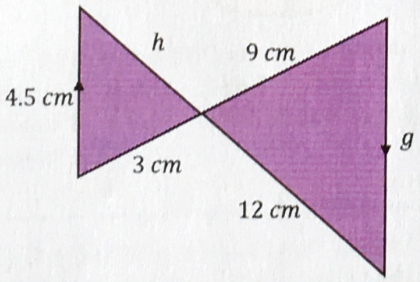
$d = 6\text{cm}$

By drawing both shapes separately, find the missing lengths in these diagrams.

(d)



(e)



(d) $SF = \frac{9}{6} = 1.5$

$e = 7\text{ cm}$

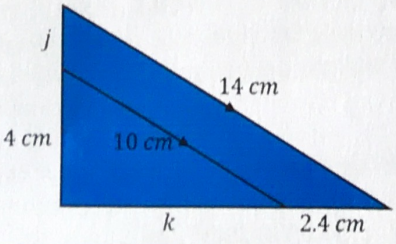
$f = 4\text{ cm}$

(e) $g = 13.5\text{cm}$

$h = 4\text{cm}$

By drawing both shapes separately, find the missing lengths.

(f)



(f) $j = 1.6\text{cm}$

$k = 6\text{cm}$