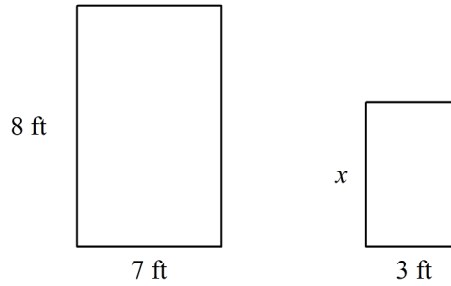## Exit Ticket: Proportions and Similar Figures
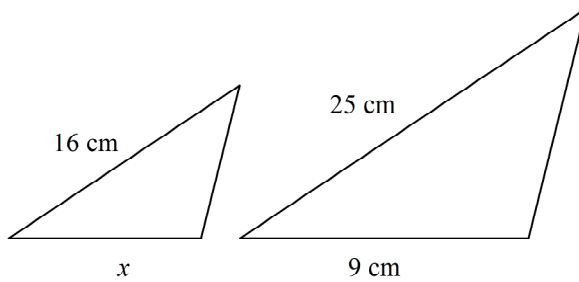
In the diagram, the figures are similar. What is *x*?

1

8 ft

7 ft   *x*   3 ft

Drawing not to scale

2

25 cm

16 cm

x   9 cm

Drawing not to scale

3   A map has a scale of 1 cm : 18 km. Two cities are 2.7 cm apart on the map. To the nearest tenth of a kilometer, what is the actual distance corresponding to the map distance?

Exit Ticket: Proportions and Similar Figures
Answer Section

  1 3.4 ft
  2 5.8 cm
  3 48.6 km