

Solve for n .

- 1) scale: 0.5 in. represents 35 mi. If the drawing shows 5 in., the actual length is n mi.

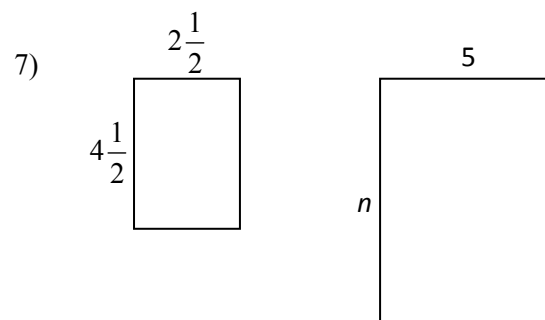
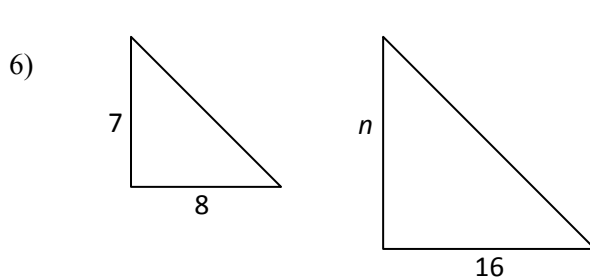
- 2) scale: 2.5 cm represents 6 km. If the drawing shows n cm, the actual length is 24 km.

- 3) scale: 0.25 in. represents 20 mi. If the drawing shows n in, the actual length is 480 mi.

- 4) scale: 3 cm represents 19 mi. If the drawing shows 12 cm, the actual length is n mi.

- 5) scale: 5 in represents 22 km. If the drawing shows n in., the actual length is 55 km

Solve for n for the pair of similar figures.



Answer Key

- 1) $n = 350$ mi
- 2) $n = 10$ cm
- 3) $n = 6$ in
- 4) $n = 76$ mi
- 5) $n = 5$ in
- 6) 14
- 7) 9