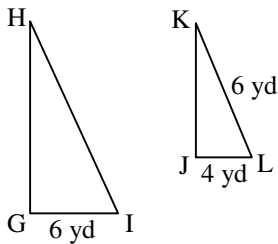


3B Estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs ...

1. $\triangle GHI$ and $\triangle JKL$ are similar triangles. What is the length of HI ?

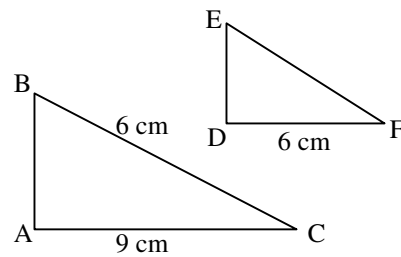


- A 9 yd.
- B 10 yd.
- C 24 yd.
- D 36 yd.

2. A tree 6 meters tall casts a shadow of 18 meters. A flagpole nearby casts a shadow of 36 meters. How tall is the flagpole?

- A 12 m
- B 18 m
- C 24 m
- D 36 m

3. $\triangle ABC$ and $\triangle DEF$ are similar triangles. What is the length of EF ?



- A 4 cm
- B 6 cm
- C 9 cm
- D 12 cm

4. A printer can print 15 pages in 2 minutes. How many pages can be printed in 30 minutes?

- A 150
- B 225
- C 300
- D 450