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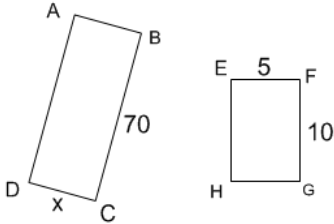
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Algebra 1
Proportion Application Review

The figure below is similar. Find the missing side length.

1. $ABCD \sim EFGH$



- A 3 ft tall baby elephant standing next to an adult giraffe casts a 2 ft shadow. If the adult giraffe casts a shadow that is 10 ft long then how tall is it?
- Oak Grove and Madison are 72 km from each other. How far apart would the cities be on a map that has a scale of 1 cm : 18 km?
- A jar contains quarters and dimes. The ratio of quarters to dimes is 4 : 9. There are 18 dimes. How many TOTAL coins are there?

Solve each proportion.

5. $\frac{m-9}{m-10} = \frac{5}{4}$

6. $\frac{n-6}{n} = \frac{6}{10}$

