

Similar Sequence

## Problem Card 1

Find the lengths of sides  $XY$ ,  $PR$ , and  $QR$ .  
Do not round.

Similar Sequence

## Data Card 1

- Triangle  $XYZ$  is similar to triangle  $PQR$
- $XZ = 6$
- $ZY = 8$
- $PQ = 15$
- Angles  $Z$  and  $R$  are right angles
- Angle  $P$  is 53 degrees
- Angle  $Y$  is 37 degrees
- The scale factor from triangle  $PQR$  to triangle  $XYZ$  is  $\frac{2}{3}$

Similar Sequence

## Problem Card 2

Find the lengths of sides  $AB$ ,  $BC$ , and  $EF$ .  
Do not round.

Similar Sequence

## Data Card 2

- Triangle  $ABC$  is similar to triangle  $DEF$
- $AC = 13$
- $DE = 17$
- $DF = 8$
- Angles  $C$  and  $F$  are right angles
- Angle  $A$  is 62 degrees
- Angle  $E$  is 28 degrees
- The scale factor from triangle  $DEF$  to triangle  $ABC$  is  $\frac{13}{8}$