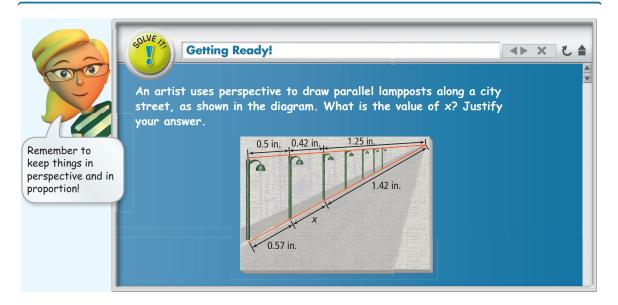
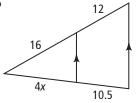
7-5 Solve It!

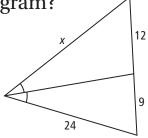


7-5 Lesson Quiz

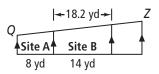
1. What is the value of *x* in the diagram?



2. What is the value of *x* in the diagram?



3. Do you UNDERSTAND? What is the length of Site A along \overline{QZ} ?



Answers

Solve It!

0.48 in.; answers may vary. Sample: The \parallel lines determine similar \triangleq , so $\frac{1.25}{1.25+0.42} = \frac{1.42}{1.42+x}, \text{ which simplifies to } \frac{1.25}{1.67} = \frac{1.42}{1.42+x}.$

Then 1.25(1.42 + x) = 2.3714 (Cross Products Prop.); 1.775 + 1.25x = 2.3714 (Distr. Prop.); 1.25x = 0.5964 (Subst. Prop. of =); x = 0.47712 (Div. Prop. of Eq.); x \approx 0.48.

Lesson Quiz

- **1.** 3.5
- **2.** 32
- **3.** 10.4 yd