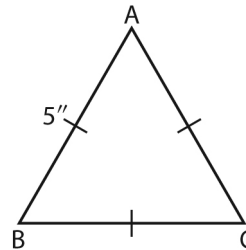


# Chapter 2 Warm-Up

## Section 2.1 Warm-Up

- Convert to inches.
  - 2'
  - 22'
  - 3' 2"
  - 5' 7"
- Express in feet and inches.
  - 24"
  - 26"
  - 38"
  - 55"
- Solve to create equivalent fractions.
  - $\frac{3}{5} = \frac{\square}{25}$
  - $\frac{1}{8} = \frac{4}{\square}$
  - $\frac{1}{4} = \frac{2.5}{\square}$
  - $\frac{1}{2} = \frac{\square}{11}$

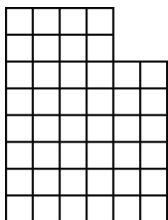
- What is the length of sides AC and BC in the diagram below?



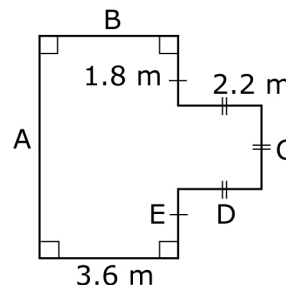
- What is the perimeter of the triangle from #4, in feet and inches?

## Section 2.2 Warm-Up

- Write each scale as a 1 :  $\square$  ratio.
  - 1 mm to 1 m
  - 1 ft to 1 yd
  - 3 in. to 1 ft
- A children's bench is a smaller model of a garden bench with a scale of 4 inches to 1 foot. The children's bench is 2 feet long. How long is the garden bench?
- Suppose floor tiles are 6 in. by 6 in. How many tiles are needed to cover the floor of the room shown? One square on the diagram represents 1 foot.



- Determine the unknown lengths in the diagram.

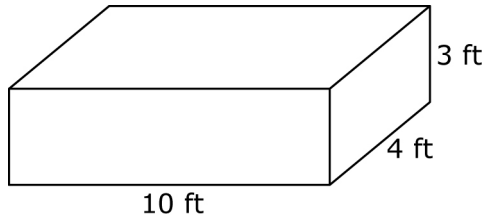


- Calculate the perimeter of the diagram in #4.



### Section 2.3 Warm-Up

1. Draw the three orthographic views of the prism shown. Use a scale of 1 square to 1 foot.



2. Draw a set of orthographic drawings of a rectangular box with dimensions 3 cm by 4 cm by 6 cm.
3. Draw the three orthographic views of a cylinder that is 5 inches high and has a diameter of 3 inches.

4. A prism has dimensions 5 units by 2 units by 3 units. Use isometric dot paper to create an isometric drawing of the prism.
5. Draw the front, top, and side views of the object shown.

