# Building to Measurement with a Ruler

Note-Taking Guide

**TEKS**

5(4)(H) The student is expected to represent and solve problems related to perimeter and/or area and related to volume.

4(5)(D) The student is expected to solve problems related to perimeter and area of rectangles where dimensions are whole numbers.

3(7)(B) The student is expected to determine the perimeter of a polygon or a missing length when given perimeter and remaining side lengths in problems.

2(9)(A) The student is expected to find the length of objects using concrete models for standard units of length.

2(9)(B) The student is expected to describe the inverse relationship between the size of the unit and the number of units needed to equal the length of an object.

2(9)(D) The student is expected to determine the length of an object to the nearest marked unit using rulers, yardsticks, meter sticks, or measuring tapes.

2(9)(E) The student is expected to determine a solution to a problem involving length, including estimating lengths.

1(7)(A) The student is expected to use measuring tools to measure the length of objects to reinforce the continuous nature of linear measurement.

1(7)(B) The student is expected to illustrate that the length of an object is the number of same-size units of length that, when laid end-to-end with no gaps or overlaps, reach from one end of the object to the other.

1(7)(C) The student is expected to measure the same object/distance with units of two different lengths and describe how and why the measurements differ.

1(7)(D) The student is expected to describe a length to the nearest whole unit using a number and a unit.

**Vertical Alignment Notes**

 

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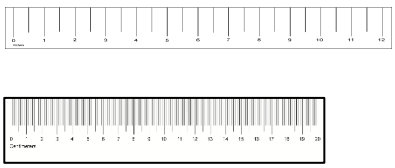
**Measuring Length:**
**Continuous Nature**

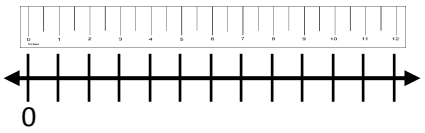
**Notes**

**Measuring Length:**
**Inverse Relationship**

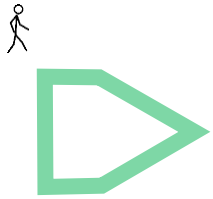
**Notes**

**Measuring Length:**
**Connections to the Number Line**




**Notes**

**Measuring Length:**
**Connections to Perimeter**



**Notes**

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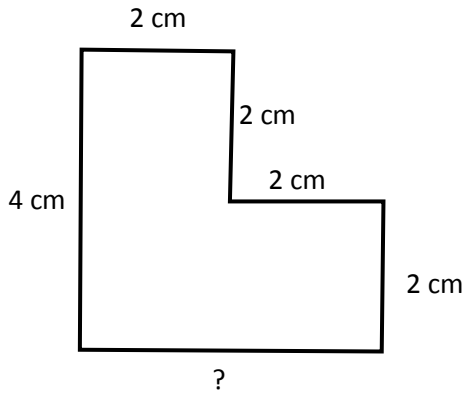
**Measuring Length:**
**Connections to Perimeter**




The perimeter of this figure is 16 centimeters.

**Notes**