

Dear Parents,

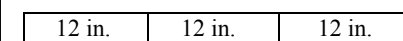
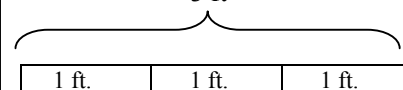
Here is what your child is learning in Grade 3, Unit 2 along with some specific ways you can help. Look for additional newsletters for upcoming units.



## WAYS PARENTS CAN HELP

- Look for opportunities for your child to practice measuring length in centimeters or inches. For example, measure fabric, the length and width of a picture frame, or the height of a plant.
- To practice finding **area**, explore efficient ways to count the number of square tiles on a floor, ceiling, or shower. For a rectangular region, children might count the number of tiles in the first row; then, add the tiles in each row to determine the total area of square tiles.
- Trace a leaf onto a piece of graph paper. Estimate the area of the leaf by counting the whole squares first; then, by combining and counting partial squares. Add the two amounts to determine the estimate.
- Estimate and determine the number of steps it takes to walk around the **perimeter** of a rug or room.
- Estimate and measure the amount of ribbon needed to go around the **perimeter** of a picture frame or other art project.
- Encourage your child to use pictures to represent measurement conversion.

$$3 \text{ feet} = ? \text{ inches}$$



$$12 \text{ in.} + 12 \text{ in.} + 12 \text{ in.} = 36 \text{ in.}$$

### MEASUREMENT

Students need to:

- Estimate and/or measure length to solve problems.
- Estimate and count to find the area and perimeter of figures.
- Solve problems involving the area and perimeter of figures.

#### Examples:

1. Look at the figure below.



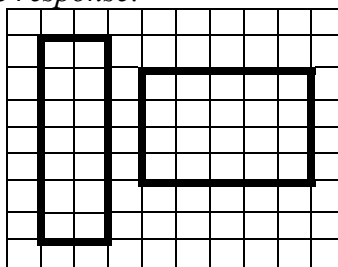
Find the length of the figure to the nearest cm.

*Sample response:*

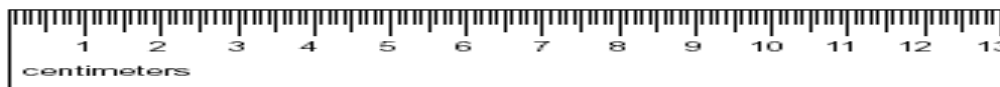
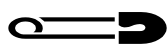
Approximately 8 cm

2. Ted wants to put a fence around a rectangular garden. He wants the garden to be at least 10 square units. Ted wants to use exactly 18 units of fencing. Use materials provided by your teacher to model possible gardens. Record 2 different models that will meet Ted's needs.

*Sample response:*



3. Look at the two pins below.



When the two pins are put end to end, what is the total length of the two pins?

*Sample response:*

6 cm

### Vocabulary

**Area:** the number of square units needed to cover a flat surface

**Perimeter:** the distance around a figure

For additional activities, visit [www.ed.gov/pubs/parents/Math](http://www.ed.gov/pubs/parents/Math)