

Grade 6 Math
Area and Perimeter Test

Below is a list of topics that will be covered on the upcoming test:

- Know the following vocabulary words:
 - **Perimeter**
 - **Area**
 - **Square**
 - **Rectangle**
 - **Triangle**
 - **Parallelogram**
 - **Dimensions**
 - **Length**
 - **Width**
 - **Base**
 - **Height**
 - **Congruent**
- Students need to know the following formulas that were developed in class:

1) Perimeter of Squares and Rectangles

$$\begin{aligned} \text{Perimeter} &= (\text{length} + \text{width}) \times 2 \\ \text{Perimeter} &= (\text{length} \times 2) + (\text{width} \times 2) \end{aligned}$$

2) Area of Squares and Rectangles

$$\text{Area} = \text{length} \times \text{width}$$

3) Area of Triangles

$$\begin{aligned} \text{Area} &= \text{base} \times \text{height} \div 2 \\ \text{Area} &= \frac{1}{2} (\text{base} \times \text{height}) \end{aligned}$$

4) Area of Parallelograms

$$\text{Area} = \text{base} \times \text{height}$$

- **Find the perimeter** of regular and irregular polygons, including squares, rectangles, triangles, parallelograms, hexagons, etc., using the appropriate units (e.g., cm, m, etc.)
- **Find the area** of squares, rectangles, triangles, parallelograms and irregular polygons, using the appropriate units (e.g., cm², m², etc.)
- **Construct** rectangles, squares, triangles, and parallelograms given either the perimeter or area (e.g., Construct a triangle with a perimeter of 25 cm).

Days for Extra Help: _____

Extra Textbook Pages: _____

Quiz Date: _____

Use the following chart to help you remember to study. **Have your parents sign each time you study.** You **must** return this on the day of your quiz. You are **not** expected to study every single day – this is just to let your teacher know how much you are studying

How long did you study for?							
Parents Signature							