

Grade 7 Unpacked Math Standards - Measurement

7.M1.1. Students are able to **select, use, and convert** appropriate units of measurement for a situation including capacity and angle measurement.

Webb level: 1/2

Bloom: Comprehension

Verbs Defined:

Select: choose

Use: use/measure

Convert: convert

Key Terms Defined:

Teacher Speak:

Students are able to select (choose), use (use/measure), and convert appropriate units of measurement for a situation including capacity and angle measurement.

Student Speak:

I can:

- * measure (use) length (to nearest millimeter), capacity, and mass in the metric system
 - * measure (use) length (to nearest $\frac{1}{8}$ inch), capacity, and weight in the U.S. customary system
 - * measure (use) angles $\leq 180^\circ$ to the nearest degree
 - * convert within the metric system for kilo- thru milli-
 - * convert within the U.S. customary system for capacity, weight and length
 - * choose (select) the correct unit to label length, capacity, and mass in the metric system and U.S. customary system
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7.M.1.2. Students, when given the formulas, are able to **find circumference**, perimeter, and area of circles, parallelograms, triangles, and trapezoids (whole number measurements).

Webb level: 1

Bloom: Comprehension

Verbs Defined:

Find: calculate/find

Key Terms Defined:

Circumference: distance around a circle

Teacher Speak:

Students, when given the formulas, are able to find/calculate circumference, perimeter, and area of circles, parallelograms, triangles, and trapezoids (whole number measurements).

Student Speak:

I can find (calculate) the perimeter for:

- * parallelograms
- * triangles
- * trapezoids

When given the formula, I can find (calculate) the area for:

- * circles
- * parallelograms
- * triangles
- * trapezoids

When given the formula, I can find (calculate) the circumference.

I can estimate the area of an irregular shape by using what I know about area and perimeter.

I can use the correct unit to label perimeter, circumference and area.

Working Document