

Test Date:

Unit 6 Study Guide: Measurement

Text Book Lessons:

- 4-1 Time to the half hour/ quarter hour
- 4-2 Time to the minute
- 4-3 Elapsed Time
- 8-12 Area
- 8-13 Volume
- 9-12 Length
- 12-1 Customary Units of Capacity
- 12-2 Milliliters and Liters
- 12-4 Customary Units of Weight
- 12-5 Grams and Kilograms

In this unit, students will:

- Tell and write time to the nearest minute and measure time intervals in minutes.
- Solve elapsed time, including word problems by using a number line diagram.
- Reason about the units of mass and volume.
 - Understand that larger units can be subdivided into equivalent units (partition).
 - Understand that the same unit can be repeated to determine the measure (iteration).
 - Understand the relationship between the size of a unit and the number of units needed (compensatory principle).
- Demonstrate a thorough understanding of area and solve real world and mathematical problems that relate to area.
 - Explore the concept of covering a region with "unit squares"
 - Counting the square units to find the area could be done in metric, customary, or non-standard square units.
 - Tiling rectangles then multiply their side lengths to show it is the same.
- Find the perimeter of polygons; use addition to find perimeters; solve for an unknown length and recognize the patterns that exist when finding the sum of the lengths and widths of rectangles.
- Graph data that is relevant to their lives. While exploring data concepts, students should Pose a question, Collect data, Analyze data, and Interpret data (PCAI).

Web Resources: www.ixl.com

Q.3 Measure using an inch ruler

Q.4 Which customary unit is appropriate?

Q.5 Compare and convert customary units of length

Q.6 Compare and convert customary units of weight

Q.7 Compare and convert customary units of volume

O.3 Elapsed time I

O.4 Elapsed time II

Q.10 Which metric unit is appropriate?

Q.11 Compare and convert metric units of length

Q.12 Compare and convert metric units of weight

Q.13 Compare and convert metric units of volume

Q.14 Conversion tables - metric units

Vocabulary:

- decompose
- elapsed time
- estimate
- gap
- gram (g)
- hour

- kilogram (kg)
- liquid volume
- liter (l)
- mass
- measure
- metric

- minute
- nonstandard units
- standard units
- time
- time intervals
- volume