

Unit 10: Measurement and Geometry

Review Lessons 1-4

I. Common Customary Units.

Copy and complete the chart by filling in the missing values.

Length	Weight	Capacity
12 inches = _____ foot	16 ounces = _____ pound	8 fluid ounces = _____ cup
36 inches = _____ yard	2000 pounds = _____ ton	2 cups = _____ pint
3 feet = _____ yard		2 pints = _____ quart
1760 yards = _____ mile		2 quarts = _____ $\frac{1}{2}$ gallon
5280 feet = _____ mile		4 quarts = _____ gallon
		128 fluid ounces = _____ gallon

Convert.

- 32 ounces = _____ cups
- 5 pounds = _____ ounces
- 6 pints = _____ quarts
- 72 feet = _____ yards
- 40 quarts = _____ gallons
- 3 tons = _____ pounds
- 880 yards = _____ miles
- 4 yards = _____ inches
- 1 gallon = _____ cups

Compare using <, >, or =.

- 3 gallons _____ 380 ounces
- 6 pound _____ 100 ounces
- 5 yards _____ 180 inches
- 40 quarts _____ 15 gallons
- 5823 feet _____ 1940 yards
- 3.5 Tons _____ 7000 pounds
- 15 pints _____ 8 quarts
- 64 ounces _____ $\frac{1}{2}$ gallon

II. Metric Units.

Convert.

- 16 L = _____ mL
- 16 L = _____ kL
- 3.2 cm = _____ mm
- 7.4 m = _____ cm
- 1.56 kg = _____ g
- .67 g = _____ mg

Compare using <, >, or =.

- 14 mL _____ 1.4 L
- 65 g _____ 6.5 kg
- 15 cm _____ 1.5 mm
- 2 km _____ 200 m
- 35 mg _____ 0.035 g
- 560 L _____ 0.56 kL
- 75 dg _____ .75 cg
- 45 cL _____ 450 L
- 92 mm _____ 100 cm
- 34 hm _____ 3.4 km

34. What is the area of a rectangle with a length of 7.2 cm and width of 3.4 cm?
35. If a rectangle has an area of 35.2 cm^2 and a width of 6.4 cm, what is the length of the rectangle?
36. A parallelogram has a base of 9.4 in. and a height of 6.7 in. What is the area of the parallelogram?
37. What is the base of a parallelogram that has an area of 91.35 ft^2 and a height of 14.5 ft?
38. What is the area of trapezoid with bases measuring 3.2 yds and 8.5 yds, and a height of 4.8 yds?
39. What is the height of a trapezoid with an area of 27 mm^2 , one base measuring 2.7 mm, and one base measuring 9.3 mm?
40. What is the area of a triangle with a base of 13.5 m and a height of 4.6 m?
41. What is the height of a triangle with an area of 14.4 m^2 and a base of 6.4 m?
42. Catalina is building a rectangular patio with a length of 17 ft and a width of 14 ft. In the middle will be a rectangular fire pit with a length of 3.5 ft and width of 4.5 ft. What is the area of the patio not including the fire pit?
44. A local park is in the shape of a trapezoid with bases measuring 550 m and 740 m and a height of 890 m. In the park, the town wants to build a rectangular indoor complex measuring 200 m by 300 m. How much area of the park will be left after they complete the building?