

Name: _____

Date: _____

Investigate: The Relationships Among Imperial Units

Key Term Definitions

metric system

- a system of measurement in which all units are based on multiples of 10
- units of measurement include: the metre as a unit of length, the gram as a unit of mass, the litre as a unit of volume, and the degree Celsius as a unit of temperature

imperial system

- a system of measurement based on British units
- units of measurements include: the foot as a unit of length, the pound as a unit of weight, the gallon as a unit of volume, and the degree Fahrenheit as a unit of temperature
- in the United States it is sometimes called the Standard system and the units are referred to as customary units

Category	Units of Measure	Abbreviation
Length	inch, foot, yard, mile	in. or ", ft or ', yd, mi
Volume	teaspoon, tablespoon, fluid ounce, cup, pint, quart, gallon	tsp, tbsp, fl oz, c, pt, qt, gal
Weight	ounce, pound, ton	oz, lb, ton
Temperature	degree Fahrenheit	°F

Part A: Units of Length

1. a) There are _____ in. in one foot.

There are _____ ft in one yard.

b) _____ is the smallest fraction of an inch shown on the yardstick.

Extension

There are _____ in. in one yard.

There are _____ ft in one mile.

There are _____ yd in one mile.

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Part B: Units of Volume

2. There are _____ fl oz in one cup.

There are _____ c in one pint.

There are _____ pt in one quart.

There are _____ c in one quart.

There are _____ qt in one gallon.

There are _____ tsp in one tablespoon.

There are _____ tbsp in one fluid ounce.

Part C: Units of Weight

3. a) There are _____ oz in one pound.

b) There are _____ lb in one ton.

Extension

List some items that are typically measured by the ton.