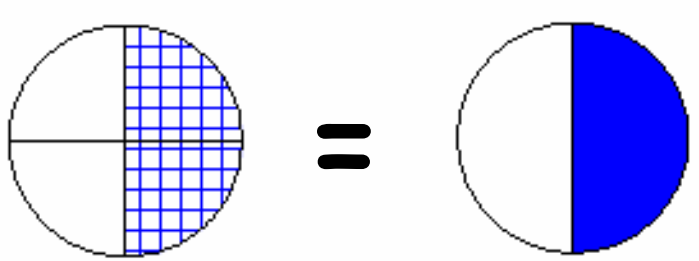
simplify



$$\frac{2}{4} = \frac{2 \times 1}{2 \times 2} = \frac{1}{2}$$

common denominator

$$\frac{1}{2} + \frac{2}{5} = \frac{5}{10} + \frac{4}{10} = \frac{9}{10}$$

2, 4, 6, 8, 10, 12

5, 10, 15

10 is the common denominator of 2 and 5

greatest common factor

Factors of 12 – 1, 2, 3, 4, 6, 12

Factors of 18 – 1, 2, 3, 6, 9, 18

GCF is 6

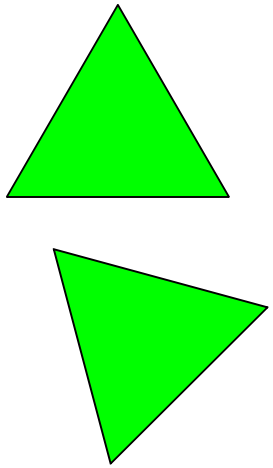
least common multiple

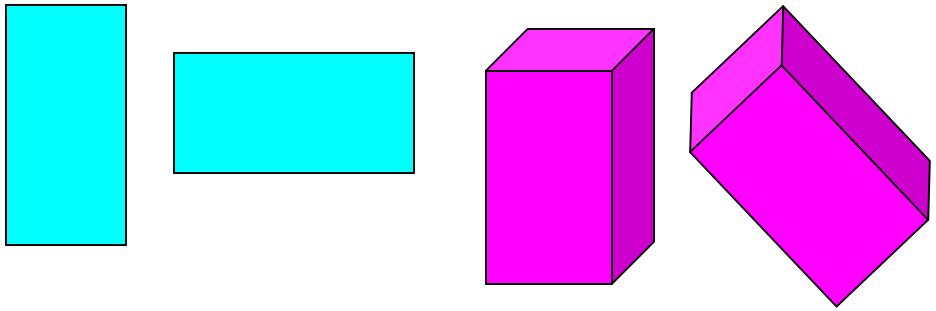
Multiples of 12 – 12, 24, 36, 48, 60, 72

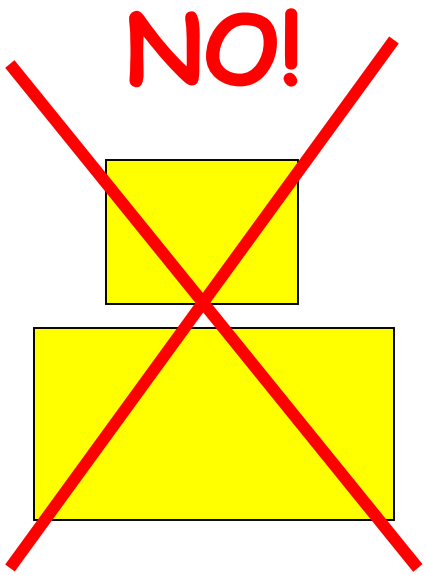
Multiples of 18 – 18, 36, 54, 72, 90, 108

LCM is 36

congruence



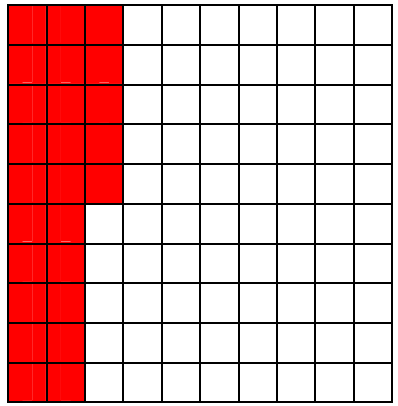




25%

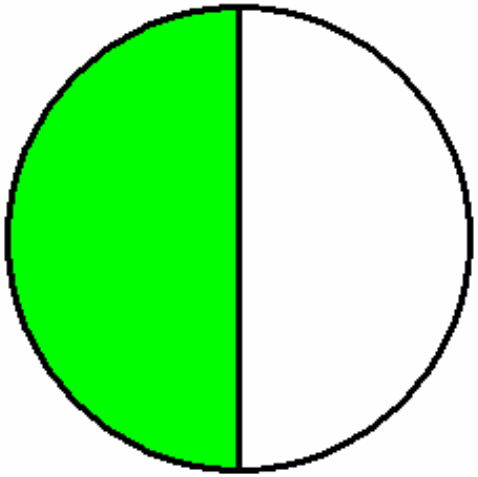
%

Symbol for percent

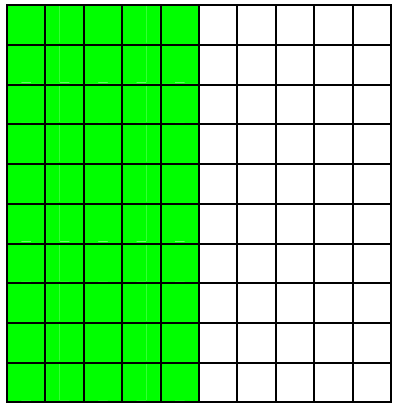


25 out of 100

percent



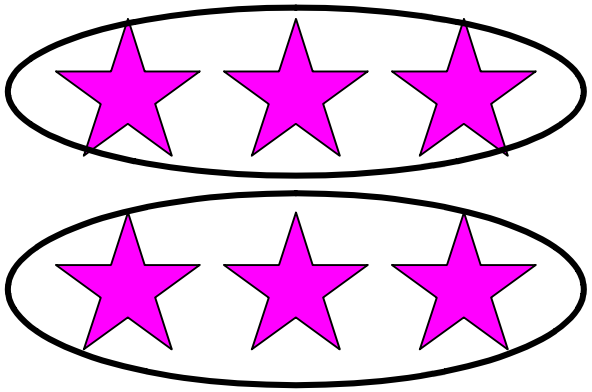
50%



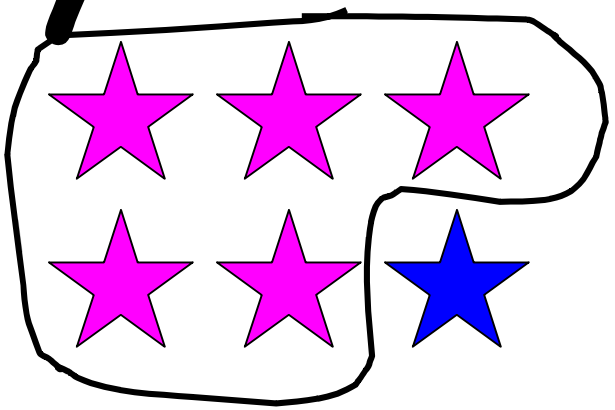
improper fraction

$\frac{15}{6}$ $\frac{6}{3}$ $\frac{16}{5}$ $\frac{3}{2}$ ~~$\frac{9}{12}$~~ NO!

divisibility



6 is divisible by 3 but NOT by 5.



multiple

Multiples of 12 – 12, 24, 36, 48, 60, 72

Multiples of 18 – 18, 36, 54, 72, 90, 108

factor

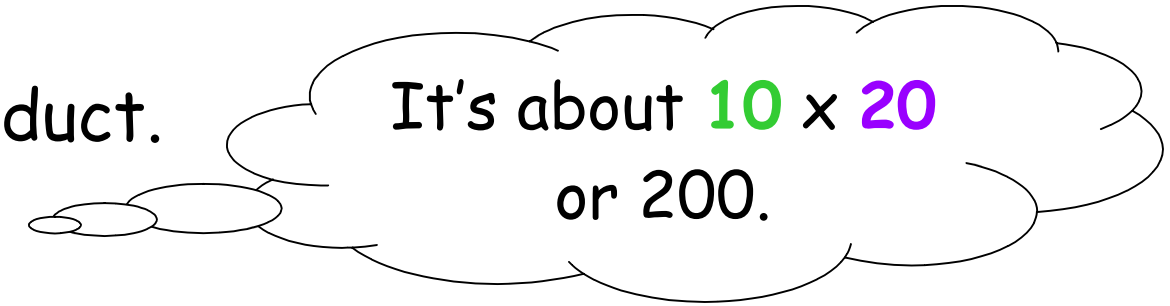
To find the **product**, I need to multiply **factors**.

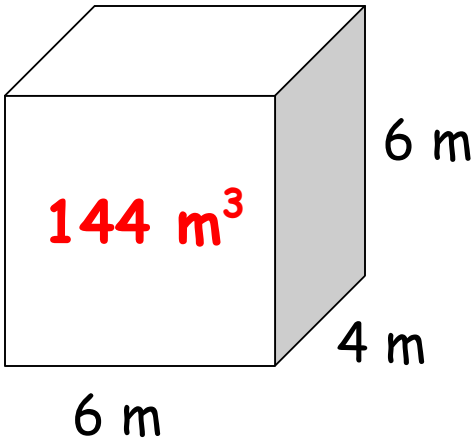
$2 \times 3 = 6$ $15 = 5 \times 3$

estimate

Estimate the product.

12×18





volume

Three dimensional size of an object – how much space a container occupies

in^3

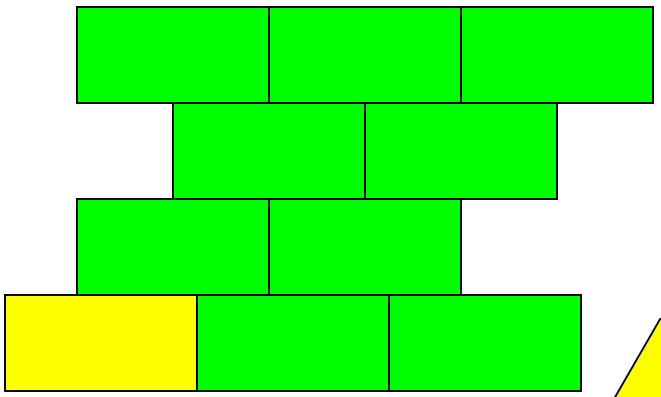
ft^3

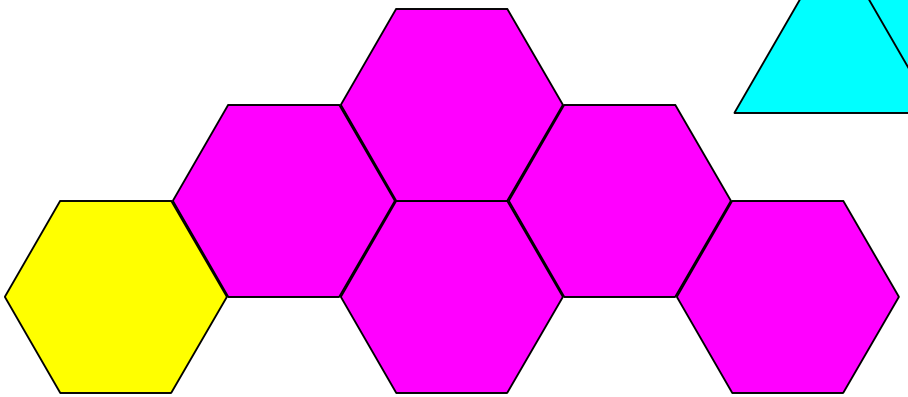
yd^3

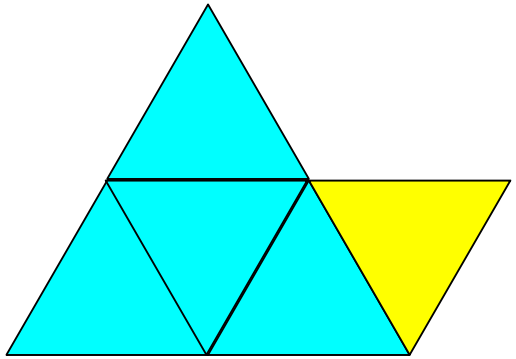
cm^3

m^3

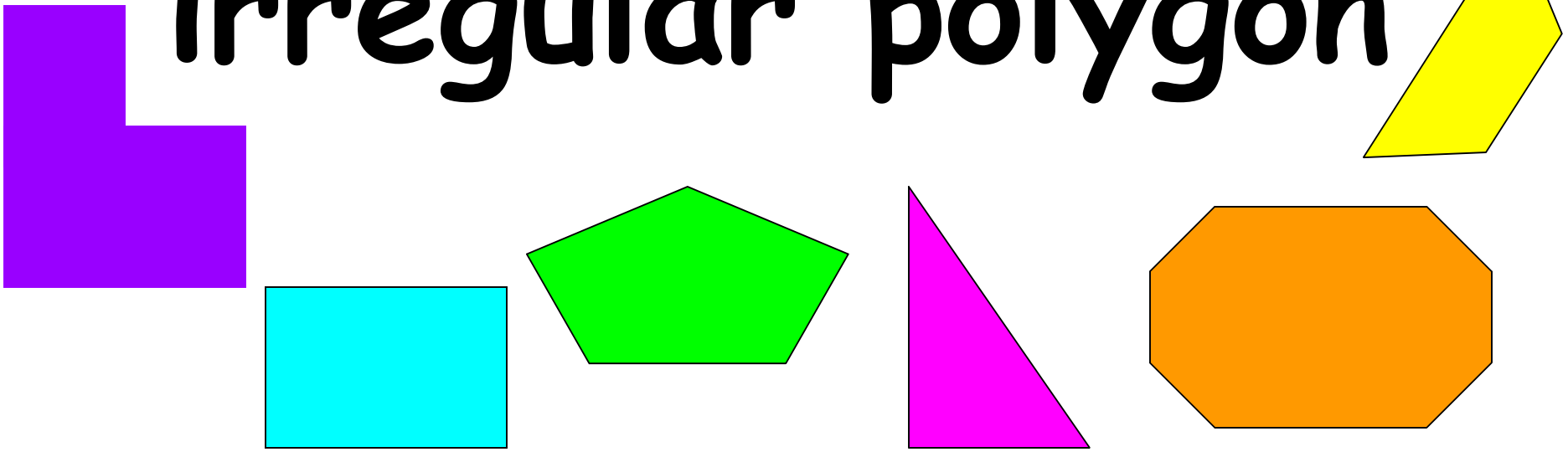
tiling



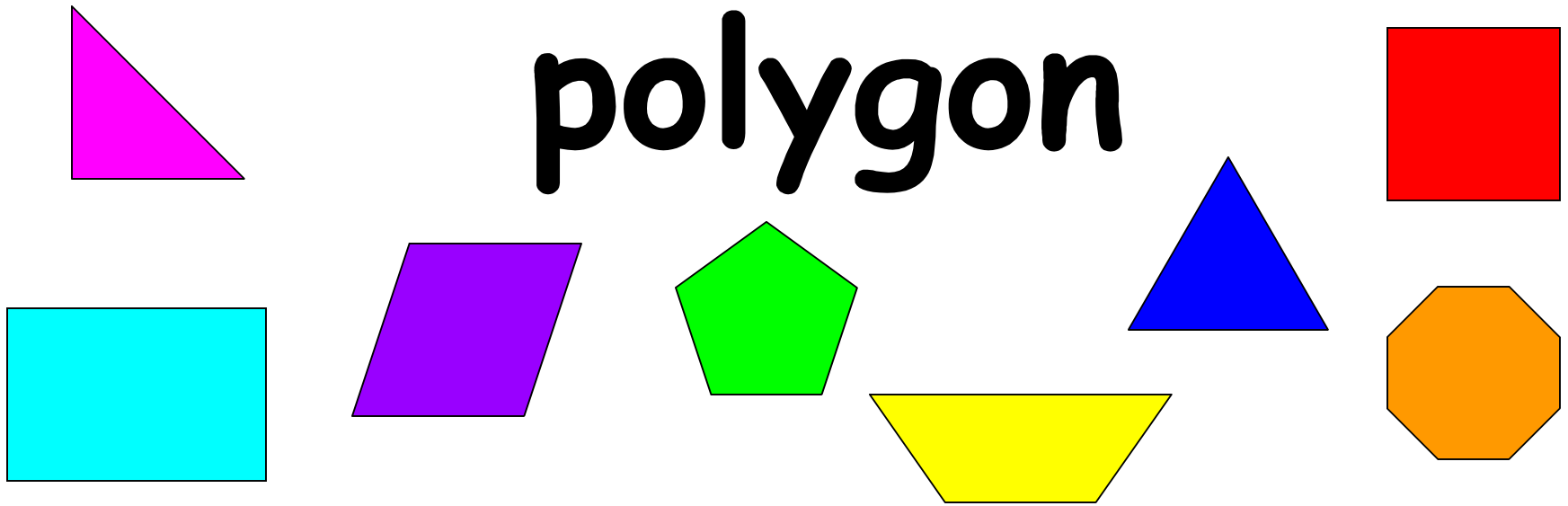




irregular polygon



polygon



cups, pints, gallons

capacity

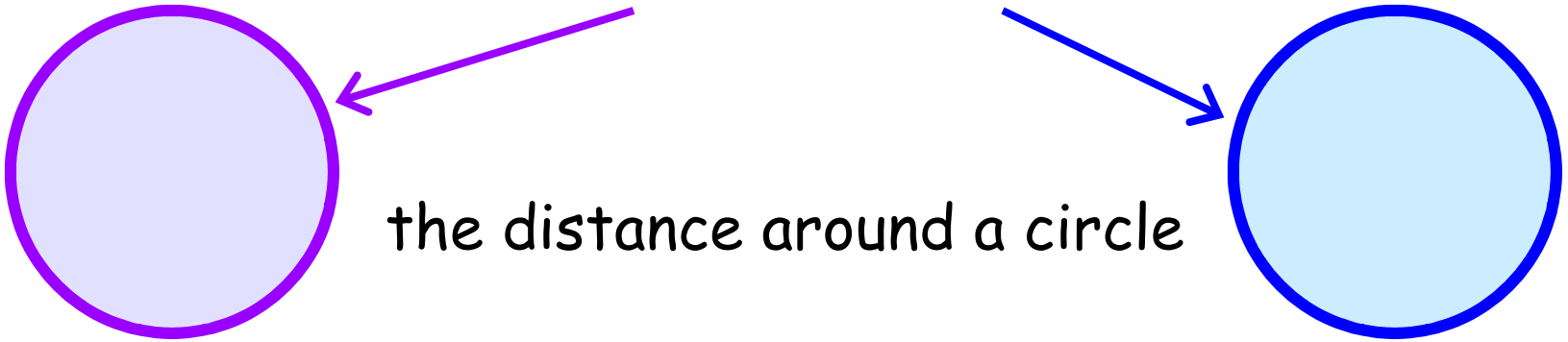
lung capacity

room capacity

Amount of pourable substance a container can (or does) hold.

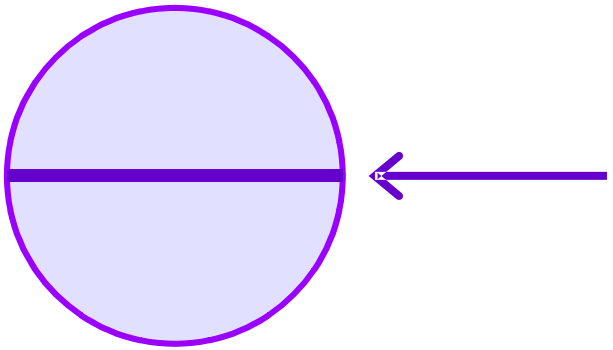
milliliters, liters

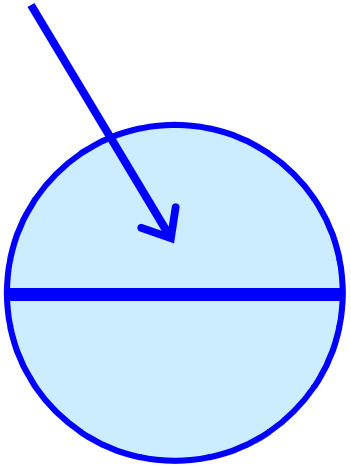
circumference



the distance around a circle

diameter





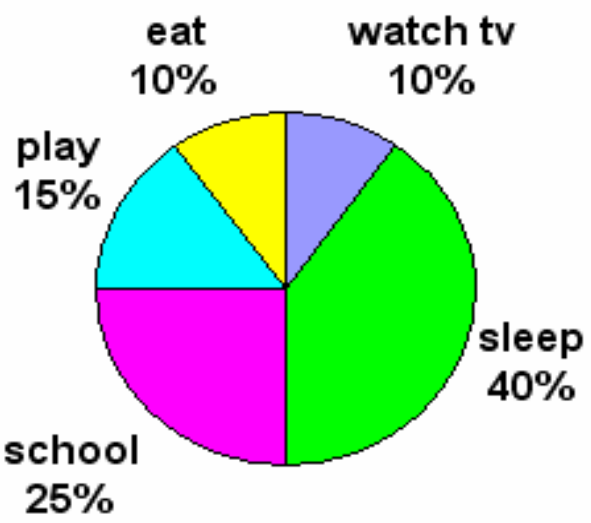
≈ 3.14

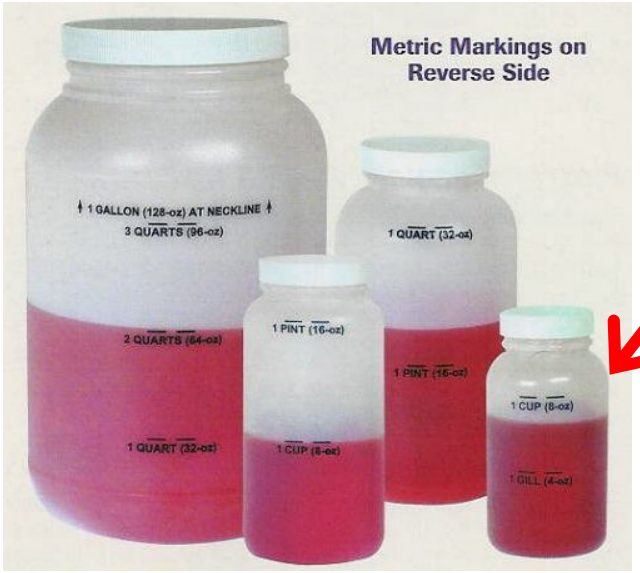
pi

π

$\frac{22}{7}$

circle graph





cup

8 ozs.

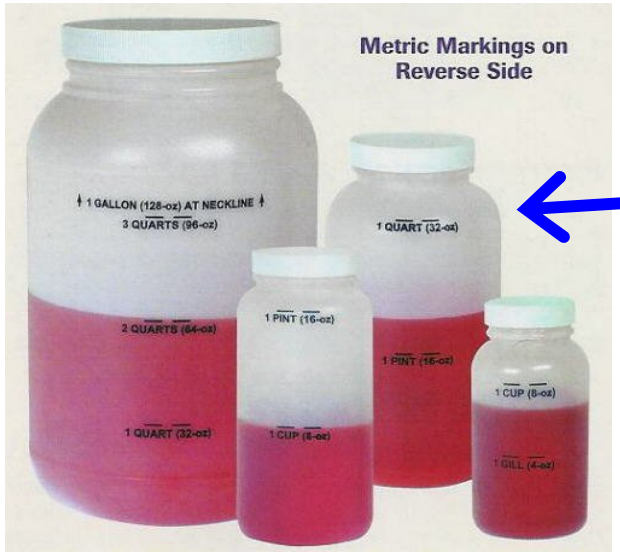
1 c

pint

tall glass of lemonade

2 cups

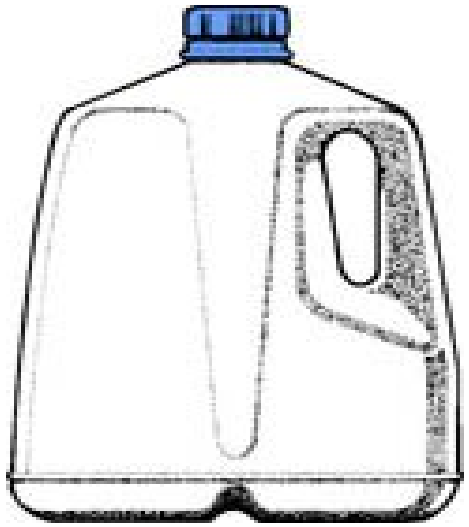
1 pt.



quart

2 pints

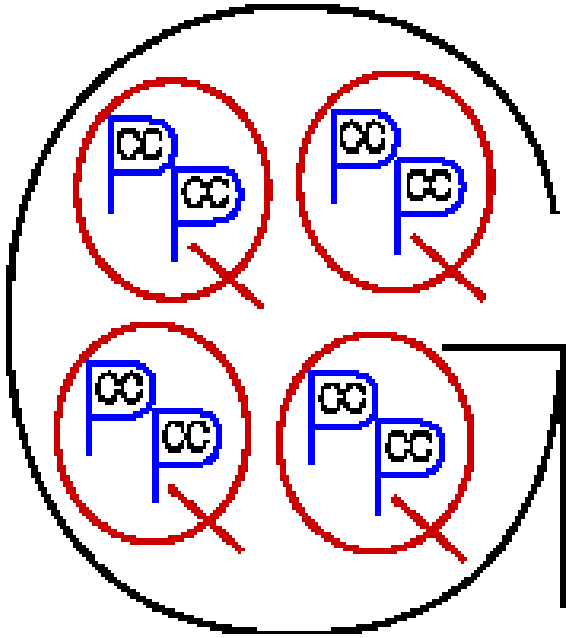
1 qt.



gallon

4 quarts

1 gal.



fluid ounce

$\frac{1}{16}$ of a pint

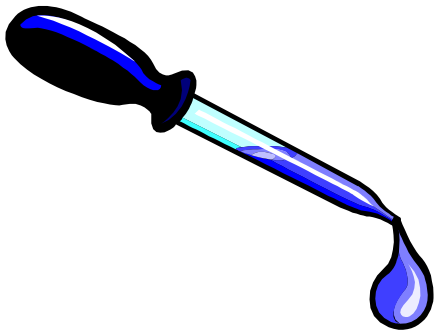
about 30 ml

$\frac{1}{8}$ of a cup

liter

a little more than a quart

1 L



milliliter

1 ml

$1\ cm^3$

about 20 drops of water

about $\frac{1}{5}$ of a teaspoon

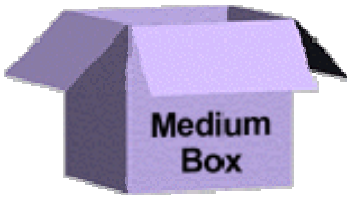
cubic centimeter

1 cm^3

a sugar cube

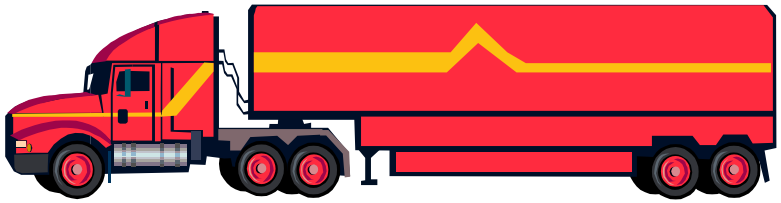
cubic meter

11 boxes



18 in. x 18in. x 17 in.

1 m^3

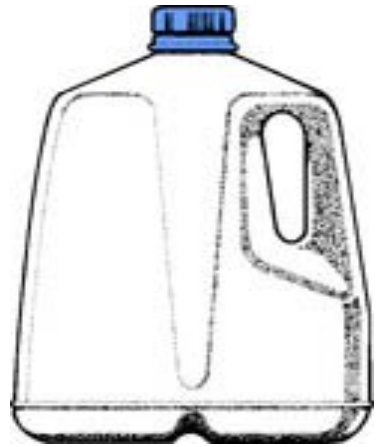


The trailer is about 100 m^3.

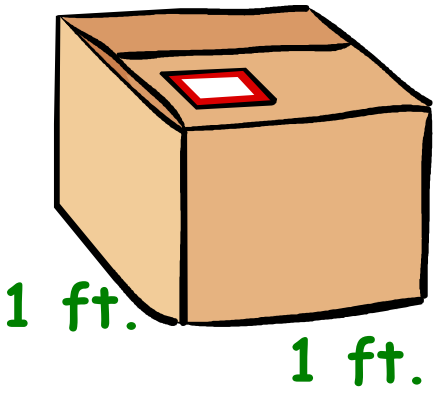
cubic inch

$1\ in^3$

$231\ in^3$

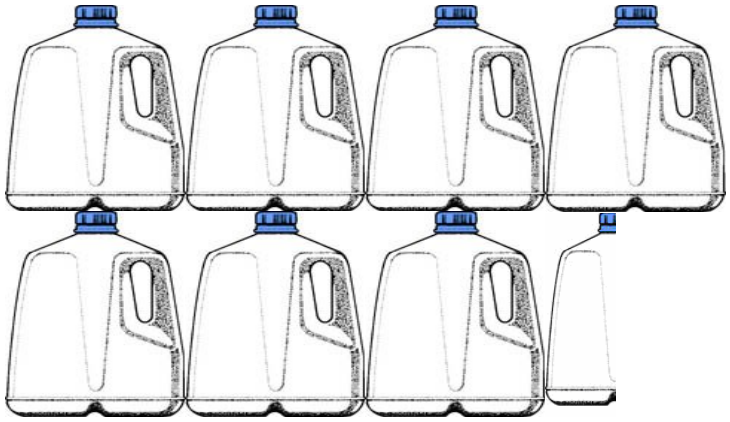


cubic foot



$1\ ft^3$

about 7 ½ gallons



cubic yard

$1\ yd^3$

The amount of mulch needed to fill a garden 10 ft. long by 10 feet wide by 3 inches deep