Fast Facts

See how many you can do in one minute!

20 ÷ 5 = _____   63 ÷ 7 = _____   27 ÷ 9 = _____   24 ÷ 2 = _____

42 ÷ 7 = _____   18 ÷ 3 = _____   24 ÷ 8 = _____   49 ÷ 7 = _____

21 ÷ 3 = _____   25 ÷ 5 = _____   56 ÷ 8 = _____   28 ÷ 7 = _____

64 ÷ 8 = _____   72 ÷ 9 = _____   18 ÷ 6 = _____   32 ÷ 4 = _____

72 ÷ 8 = _____   48 ÷ 6 = _____   36 ÷ 4 = _____   36 ÷ 6 = _____

Cool Conversions!

For a Khan Academy lesson on conversions in the metric system, go to:

http://www.khanacademy.org/math/arithmetic/basic-ratios-proportions/v/conversion-between-metric-units

Complete each conversion.

1. 8 m = _____ cm   **2.** 15 g = _____ kg   **3.** 2 L = _____ mL

4. 1,200 m = _____ km   **5.** 800 cm = _____ m   **6.** 0.5 km = _____ cm

Answer the following conversion questions.

1. Skip reads the juice bottle label and finds that it contains 1.89 liters of juice. His cup only holds 240 milliliters so he wants to convert 1.89 liters to milliliters. The bottle contains how many milliliters? _____

2. Which of these is NOT equivalent?

   a. 4000 ml = 4 liters
   b. 3000 ml = 3000 cm^3
   c. 5000 cm^3 = 5 liters
   d. 2000 ml = 20 liters

3. Show which is larger, smaller, or equal using the less than symbol (<), the greater than symbol (>), or the equal sign (=).

1 in^3 _____ 1 ft^3

1 cm^3 _____ 1 m^3

4. Which of the following is NOT equivalent?

   a. 1 ton = 2000 pounds
   b. 1 mile = 5200 feet
   c. 9 feet = 3 yards
   d. 60 minutes = 3600 seconds

Convert each of the following from the given unit to the other unit.

1. 3 cups = _____ fl oz

2. $3\frac{1}{3}$ ft = _____ in.

3. 8,000 lb = _____ T

4. 72 in. = _____ yd

5. 15,840 ft = _____ yd

6. 48 lb = _____ oz

Fraction Actions

1. In the equation 1/3 + x = 5/12, what is the value for x? _____

2. Solve the following equations.

$1\frac{1}{2} + 2\frac{3}{4} = b - 1\frac{5}{6}$

What is the value of $2n - 12\frac{3}{4}$, given $n = \frac{1}{4}$?

_____

_____

$\frac{11}{12} - x = \frac{1}{4}$

$x + \frac{1}{3} = \frac{3}{4}$

_____

_____

3. Beth has a piece of wood 7/8 of a yard long. She uses 1/3 of a yard to build an airplane. Use a math sentence to show how much wood is left over.

_____

Find a common denominator then add or subtract the following fractions.

1. $\dfrac{1}{2} + \dfrac{3}{8}$

2. $\dfrac{7}{12} + \dfrac{1}{5}$

3. $\dfrac{1}{6} + \dfrac{3}{11}$

4. $\dfrac{7}{10} + \dfrac{8}{9}$

_____   _____   _____   _____

5. $\begin{array}{r} \dfrac{5}{7} \\ -\dfrac{2}{5} \\ \hline \end{array}$

6. $\begin{array}{r} \dfrac{11}{12} \\ -\dfrac{1}{8} \\ \hline \end{array}$

7. $\begin{array}{r} \dfrac{5}{9} \\ -\dfrac{1}{5} \\ \hline \end{array}$

8. $\begin{array}{r} \dfrac{7}{8} \\ -\dfrac{2}{3} \\ \hline \end{array}$