Fast Facts

See how many you can do in one minute! (Put answers in simplest form.)

$\dfrac{10}{12} + \dfrac{4}{9} =$

$\dfrac{4}{5} + \dfrac{1}{2} =$

$\dfrac{2}{10} + \dfrac{6}{11} =$

$\dfrac{2}{8} + \dfrac{3}{5} =$

$\dfrac{1}{5} + \dfrac{9}{11} =$

$\dfrac{5}{6} + \dfrac{6}{10} =$

$\dfrac{1}{2} + \dfrac{10}{12} =$

$\dfrac{5}{7} + \dfrac{3}{10} =$

$\dfrac{2}{10} + \dfrac{2}{4} =$

Equations, Equations!

Find the unknown quantity that makes the equation true.

$$\dfrac{4}{5} \times \underline{\hspace{2cm}} = 1$$

$$\dfrac{4}{5} \times \dfrac{3}{2} = \dfrac{3}{2} \times \underline{\hspace{2cm}}$$

Solve.

1. $b - 18 = 24$

_____

2. $m + 29.6 = 50.4$

_____

3. $t + 20 = 56$

_____

4. $q - 1\dfrac{2}{3} = 3\dfrac{1}{2}$

_____

5. $28 = a - 32$

_____

6. $16 = v + 9$

_____

7. $m + 6 = 12 + 15$

_____

8. $k + 9 - 2 = 17$

_____

Fraction Action

For a Khan Academy lesson on how to divide fractions, go to:
http://www.khanacademy.org/math/arithmetic/fractions/v/dividing-fractions-example. Then
for a lesson on dividing fractions with word problems, go to
http://www.khanacademy.org/math/arithmetic/fractions/v/dividing-fractions-word-problem.

Find each quotient. Write each quotient in simplest form.

1. $\dfrac{3}{5} \div \dfrac{2}{3}$

2. $\dfrac{5}{8} \div \dfrac{1}{8}$

3. $\dfrac{5}{3} \div 6$

4. $\dfrac{5}{12} \div \dfrac{1}{4}$

5. Which multiplication problem is the same as the division problem $\dfrac{2}{3} \div \dfrac{8}{9}$?

   A $\dfrac{2}{3} \times \dfrac{8}{9}$

   C $\dfrac{3}{2} \times \dfrac{8}{9}$

   B $\dfrac{2}{3} \times \dfrac{9}{8}$

   D $\dfrac{3}{2} \times \dfrac{9}{8}$

6. *Answer the following word problem by writing an equation then solving.*

Daniel just found beautiful yarn for 5 percent off at his favorite yarn store. He can make 1 scarf from 2/5 of a ball of yarn.

If Daniel buys 8 balls of yarn, how many scarves can he make?

Equation: _____

Solution: _____

Web Links

Try these web sites for additional practice and interactive learning!

- Extra practice for integers and algebra
  http://www.mathplayground.com/ASB_OrbitIntegers.html