Summer Math Program
Entering Seventh Grade
Week 2

Fast Facts
See how many you can do in one minute!

50 ÷ 10= _____	63 ÷ 9 = _____	54 ÷ 9 = _____	24 ÷ 12=_____
84 ÷ 7 = _____	36 ÷ 3 = _____	24 ÷ 3 = _____	42 ÷ 7 = _____
56 ÷ 8 = _____	45 ÷ 5 = _____	49 ÷ 7 = _____	25 ÷ 5 = _____
72 ÷ 8 = _____	48 ÷ 8 = _____	40 ÷ 4 = _____	36 ÷ 4 = _____
63 ÷ 7 = _____	72 ÷ 6 = _____	32 ÷ 8 = _____	81 ÷ 9 = _____

Fraction Actions

(For a Khan Academy lesson on multiplying mixed numbers, go to:

http://www.khanacademy.org/math/arithmetic/fractions/v/multiplying--mixed-numbers*)*

1. Multiply the following mixed numbers. Be sure to put your answers in simplest form (reduce).

$$1\frac{2}{3} \times 2\frac{9}{10} \underline{\hspace{1cm}}$$
$$2\frac{3}{4} \times 2\frac{8}{9} \underline{\hspace{1cm}}$$

$$3\frac{1}{2} \times 2\frac{3}{7} \underline{\hspace{1cm}}$$
$$2\frac{4}{5} \times 2\frac{10}{21} \underline{\hspace{1cm}}$$

2. Multiply these fractions.

$$\frac{2}{7} \times \frac{5}{12} \underline{\hspace{1cm}}$$
$$\frac{2}{3} \times \frac{3}{5} \underline{\hspace{1cm}}$$

$$\frac{4}{9} \times 36 \underline{\hspace{1cm}}$$
$$\frac{3}{4} \times \frac{4}{15} \underline{\hspace{1cm}}$$

$$\frac{3}{5} \times \frac{20}{21} \underline{\hspace{1cm}}$$
$$\frac{m}{n} \times \frac{x}{y} \underline{\hspace{1cm}}$$

↑*Extra Credit!! ☺ Hint: Use what you know about how to multiply fractions. Your answer will be a combination of variables.*

Rational Numbers

1. What does this fraction mean?

$$\frac{-7}{5}$$

   a. -7 minus 5

   b. -7 plus 5

   c. -7 times 5

   d. -7 divided by 5

2. Solve these operations with integers.

$-8 + {}_+3 =$ _____ ${}_+7 - {}_+4 =$ _____ $-4 + -4 =$ _____

${}_+15 - -6 =$ _____ $-2 \times {}_+5 =$ _____ ${}_+24 \div -8 =$ _____

Expressions and Equations

1. Solve x + 12 = 23. Show all your work. Justify your solution (explain what you did and why you did it).

    Work Space   Explanation

_____

_____

_____

2. Jason had *c* cookies in his lunch bag. He ate 3 cookies. Write an algebraic expression to represent the number of cookies left in the bag.

3. Sam is an inch taller than twice the height of Al. If Al's height is A, which expression represents Sam's height?

   a. 1A + 2

   b. 2A + 1

   c. 2(A + 1)

   d. 2(A - 1)

Web Links

Try these web sites for additional practice and interactive learning!

- http://www.math.com/school/subject2/practice/S2U2L3/S2U2L3Pract.html