Name:_____

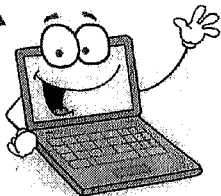NIGHT MONDAY NIGHT

Out!

Check Me Out!

Want a quick review? Check out this week's (or previous week's) tutorials at mcdbsesmath.weebly/homework.html

This week: decomposing fractions, relating improper fractions & wholes, and renaming improper fractions by decomposing.

Solve as many as you can **in three minutes.**

600 x 5 = _____	70 x 30 = _____	80 x 70 = _____	5 x 80 = _____
40 x 90 = _____	5 x 20 = _____	300 x 7 = _____	500 x 7 = _____
900 x 6 = _____	80 x 600 = _____	8 x 600 = _____	600 x 90 = _____
80 x 6 = _____	200 x 7 = _____	5 x 70 = _____	50 x 90 = _____

Circle the letter of the correct answer(s). There may be more than one correct answer.

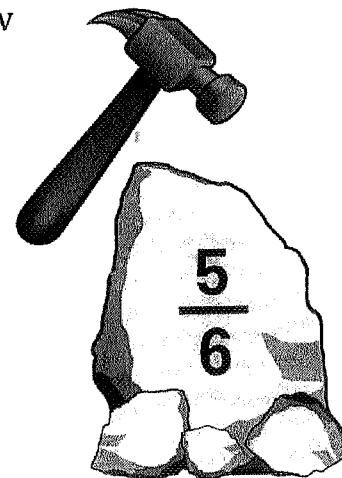Which expression(s) show how you can decompose the fraction on the rock?
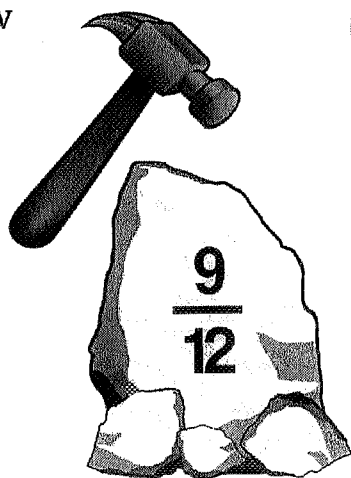
a) $\frac{3}{12} + \frac{4}{12} + \frac{3}{12}$

b) $\frac{4}{4} + \frac{2}{4} + \frac{3}{4}$

c) $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$

d) $\frac{1}{10} + \frac{2}{12} + \frac{3}{12} + \frac{3}{12}$

$\frac{9}{12}$

Which expression(s) show how you can decompose the fraction on the rock?

a) $\frac{2}{6} + \frac{1}{6} + \frac{2}{6}$

b) $\frac{3}{6} + \frac{1}{6} + \frac{1}{6}$

c) $\frac{2}{2} + \frac{1}{1} + \frac{1}{2} + \frac{1}{1}$

d) $\frac{1}{6} + \frac{4}{6}$

$\frac{5}{6}$

Decompose each improper fraction to rename it to a mixed number.

EXAMPLES: $\frac{15}{4} = \frac{4}{4} + \frac{4}{4} + \frac{4}{4} + \frac{3}{4} = 3\frac{3}{4}$ or $\frac{25}{7} = \frac{21}{7} + \frac{4}{7} = 3\frac{4}{4}$
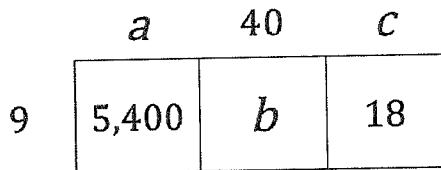
$\frac{19}{5} =$ _____

$\frac{21}{8} =$ _____
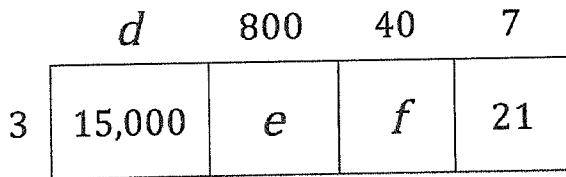
$\frac{13}{7} =$ _____

$\frac{52}{10} =$ _____

Each area model below is incomplete. The letters represent unknown factors and partial products. Find the value of each unknown, and then write an equation to show the two factors and final product represented by each area model.

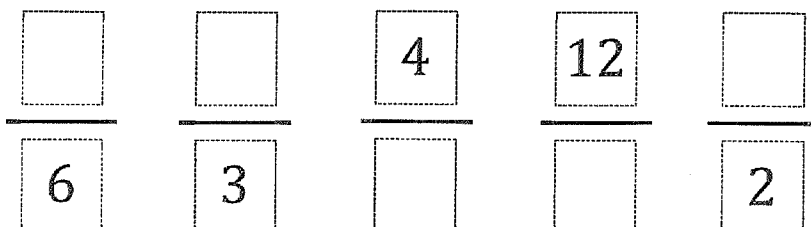| a	40	c
5,400	b	18

(9 at left)

$a =$ _____ $b =$ _____ $c =$ _____

equation: _____ x _____ = _____

d	800	40	7
15,000	e	f	21

(3 at left)

$d =$ _____ $e =$ _____ $f =$ _____

equation: _____ x _____ = _____

Fill in the boxes with numbers from the NUMBER BANK to create five fractions that are worth more than 3 wholes. You may only use a given number one time, and you will not use all the numbers.

$\frac{\Box}{6}$ $\frac{\Box}{3}$ $\frac{4}{\Box}$ $\frac{12}{\Box}$ $\frac{\Box}{2}$

NUMBER BANK

1   2   3   4

12   15   18   24