Name: _____

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.**

90 x 4 = _____   60 x 7 = _____   70 x 90 = _____   2 x 60 = _____

30 x 80 = _____   9 x 600 = _____   50 x 4 = _____   60 x 6 = _____

500 x 9 = _____   40 x 90 = _____   9 x 300 = _____   80 x 90 = _____

50 x 5 = _____   300 x 8 = _____   80 x 50 = _____   70 x 80 = _____

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?
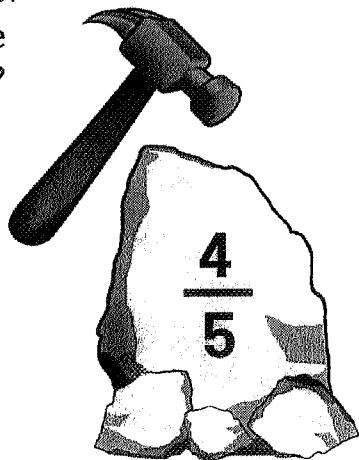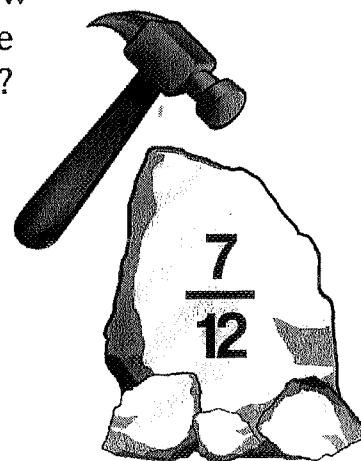
a) $\frac{1}{5} + \frac{2}{5} + \frac{1}{5}$

b) $\frac{2}{5} + \frac{1}{5} + \frac{2}{5}$

c) $\frac{1}{5} + \frac{1}{5} + \frac{2}{5} + \frac{1}{5}$

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

$\frac{4}{5}$

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

a) $\frac{3}{12} + \frac{4}{12} + \frac{1}{12}$

b) $\frac{1}{12} + \frac{5}{12} + \frac{1}{12}$

c) $\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{1}{3}$

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

$\frac{7}{12}$

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

EXAMPLES: $\dfrac{15}{4} = \dfrac{4}{4} + \dfrac{4}{4} + \dfrac{4}{4} + \dfrac{3}{4} = 3\dfrac{3}{4}$ or $\dfrac{25}{7} = \dfrac{21}{7} + \dfrac{4}{7} = 3\dfrac{4}{4}$

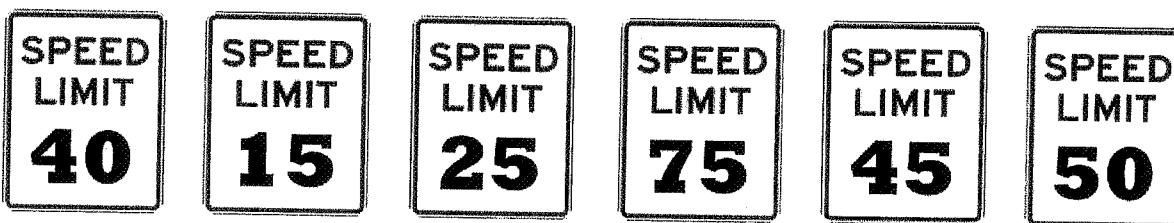$\dfrac{19}{9} =$ _____ $\dfrac{21}{10} =$ _____

$\dfrac{13}{8} =$ _____ $\dfrac{52}{12} =$ _____

Look at each set of fractions. Identify and circle the fraction in each set that has the smallest value. A sample is done for you.

SAMPLE	SET A	SET B	SET C
$\dfrac{15}{3}$ $\dfrac{7}{1}$ $\dfrac{32}{4}$	$\dfrac{16}{8}$ $\dfrac{4}{1}$ $\dfrac{18}{6}$	$\dfrac{24}{3}$ $\dfrac{6}{2}$ $\dfrac{16}{4}$	$\dfrac{9}{3}$ $\dfrac{8}{2}$ $\dfrac{30}{5}$

(In the SAMPLE, $\dfrac{15}{3}$ is circled.)

Circle each sign whose speed limit has 3 as a factor.

SPEED LIMIT 40   SPEED LIMIT 15   SPEED LIMIT 25   SPEED LIMIT 75   SPEED LIMIT 45   SPEED LIMIT 50

Fill in the blanks to make each statement true.

4 is a factor of _____ but not a factor of _____.

9 is a factor of _____.   _____ is not a factor of 50.

3 and 7 are both factors of _____.   15 is a factor of _____.

_____ is a factor of 24.   4 is a factor of _____, but 8 is not.