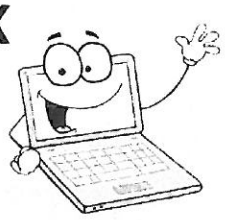
Name: _____ Wednesday Night

Check Me Out!



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

This week: multiplying fractions and mixed number by whole numbers and using unit cubes to find volume

Represent each multiplication in two ways: using repeated addition and using the distributive property.

EX: $5 \times 3\frac{1}{4} = 3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4}$ $\quad 5 \times 3\frac{1}{4} = (5 \times 3) + (5 \times \frac{1}{4})$

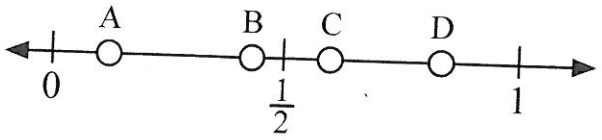
$5 \times 2\frac{4}{7} =$ $\quad 5 \times 2\frac{4}{7} =$

$7\frac{5}{6} \times 3 =$ $\quad 7\frac{5}{6} \times 3 =$

Below are the dimensions of eight rectangles. Put a ✔ next to each rectangle whose area is larger than 40 sq feet and less than 50 sq feet.

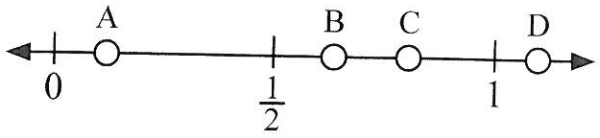
	rectangle name	length	width
____	A	7 feet	$6\frac{1}{3}$ feet
____	B	9 feet	$5\frac{1}{4}$ feet
____	C	$4\frac{1}{2}$ feet	8 feet
____	D	7 feet	$6\frac{1}{3}$ feet

	rectangle name	length	width
____	E	$3\frac{1}{2}$ feet	13 feet
____	F	5 feet	$7\frac{1}{3}$ feet
____	G	$7\frac{1}{4}$ feet	7 feet
____	H	$8\frac{1}{3}$ feet	5 feet



9) Which letter best represents the location of 0.60?

10) Which letter best represents the location of 0.12?

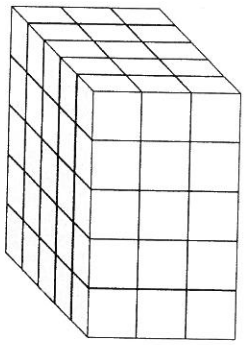


11) Which letter best represents the location of 1.1?

12) Which letter best represents the location of 0.12?

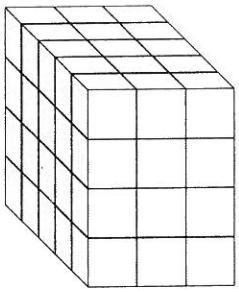
Find the volumes of the figures.

5)



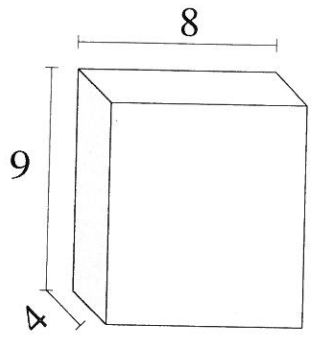
volume: _____

6)



volume: _____

4)



volume: _____

Compare the fractions using the symbols <, >, or =.

12) $\frac{1}{6}$ $\frac{9}{12}$

13) $\frac{8}{12}$ $\frac{6}{8}$

14) $\frac{1}{6}$ $\frac{3}{4}$