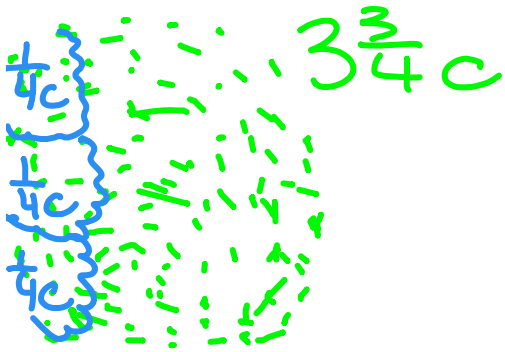


Problem Solving

1) A sand mosaic requires $\frac{1}{4}$ c of sand ^{for} per project.
If there are $3\frac{3}{4}$ c of sand available, how many mosaics can be completed?



*need to \div \rightarrow ask yourself, what am I dividing/splitting up? (That goes 1st)

$$3\frac{3}{4} \div \frac{1}{4}$$
$$\frac{15}{4} \cdot \frac{4}{1}$$

$$\frac{15}{1} = 15 \text{ mosaics}$$

Keywords that show division:

"half of" $\rightarrow \div$ by 2

in

cut

Splitting

into

each

fill (putting something into)

2) There are a dozen eggs in a carton. You use $\frac{1}{6}$ of these to make an omelet. Your sister uses $\frac{1}{5}$ of the leftover eggs to make a cake. How many eggs are left?

A) dozen eggs = 12 eggs

B) $\frac{1}{6}$ of these
 $\frac{1}{6} \cdot 12$

$$\frac{1}{6} \cdot 12 = 2 = 2 \text{ eggs in omelet}$$

OF MEANS
MULT.

C) $\frac{1}{5}$ of leftover eggs
 $12 - 2 = 10$

$$\frac{1}{5} \cdot 10 = 2$$

$\frac{2}{1} = 2$ eggs for cake

$$D) 12 - 2 = 10 - 2 = \boxed{8 \text{ eggs}}$$

OR

$$10 - 2 = \boxed{8 \text{ eggs}}$$