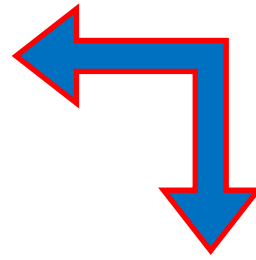




WALT: convert fractions into decimals using long division.



Optimus Prime



... From a robot into a truck and from a truck into a robot ...

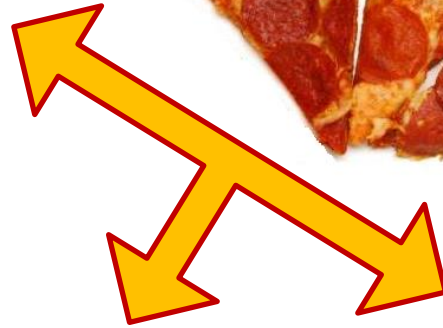
BUT IT'S STILL THE SAME GUY!!!

$\frac{3}{8}$



0.375

37.5%



... From a fraction into a decimal and from a decimal into a percentage ...

BUT IT'S STILL THE SAME GUY!!!

~~amount of pizza~~

... And that is why we need to know
how to transform from
one shape to another...



Fractions into decimals

$$\frac{3}{4}$$

This line has the same meaning as the sign \div

So:

$$\frac{3}{4} = 3 \div 4 = 4 \overline{) 3.00} = 0.75$$

28
20
20
00

To change a fraction into a decimal, we simply divide its **numerator (top)** by its **denominator (bottom)**

Well, that was easy... When I need to change, I have to take off my right hand, then to bend my elbow behind my back, then to put my left arm through my stomach, my feet behind my neck... you **really** don't want to know where I have to put my head...

Now it's your turn...
Change the fractions below into decimals.
Don't forget to **divide** the **numerator by the denominator** using long division.



$$\frac{3}{4}$$

$$\frac{4}{5}$$

$$\frac{9}{12}$$

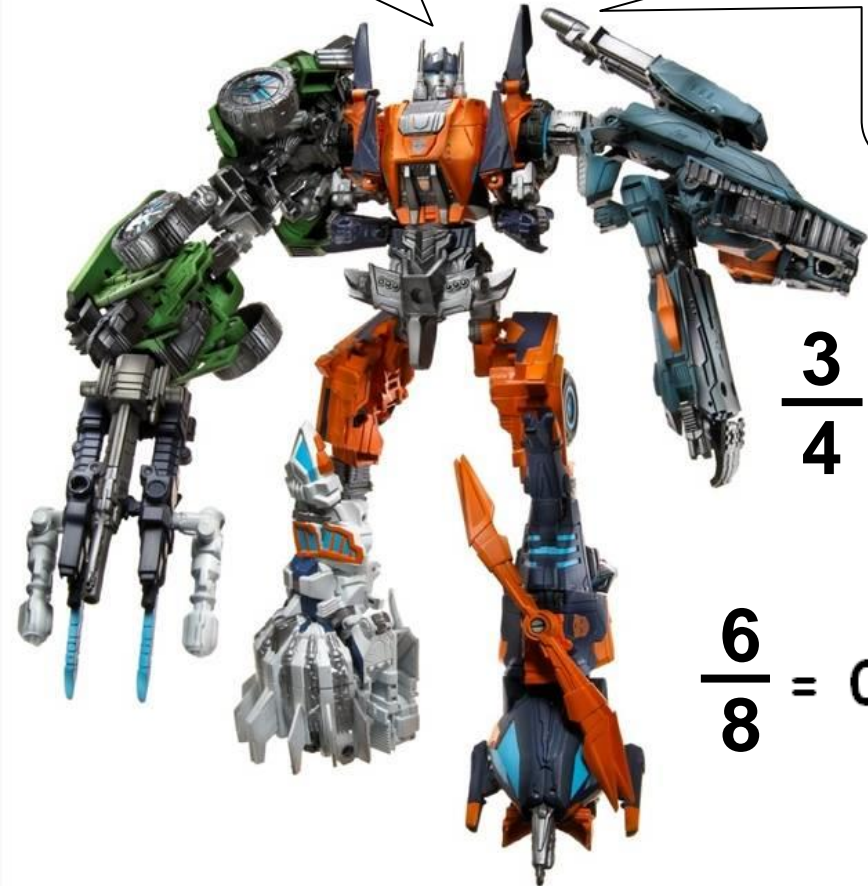
$$\frac{6}{8}$$

$$\frac{2}{5}$$

$$\frac{5}{8}$$

How did you get on?
Did you remember to divide the
denominator into the numerator
using long division?
Then put the decimal point up and the zeros?

Here are the **ANSWERS**.
Mark your work and make sure
you understand and correct any errors.



$$\frac{3}{4} = 0.25 \quad \frac{4}{5} = 0.8 \quad \frac{9}{12} = 0.75$$

$$\frac{6}{8} = 0.75 \quad \frac{2}{5} = 0.4 \quad \frac{5}{8} = 0.625$$

Now your turn to choose it is,
from the activities that are many.
Use long division you must to divide the
numerator by the denominator.

May the force be with you!

