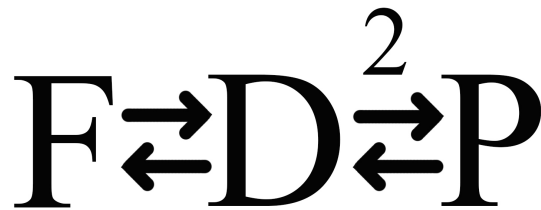


Converting between Fractions, Decimals, and Percents

Use our exclusive F-D-P chart (see below) whenever you have to convert between fractions, decimals, and percents. Place the type of number you have under the appropriate letter in the chart. Follow the arrows as they help to remind you of the proper order to divide out the fraction and which way the decimal moves in the conversion. The “little two” reminds you to ALWAYS move the decimal two places.

Example: Convert 12.5% into a fraction.



Solution: Place the 12.5% under the P in the F-D-P chart. The only way to move on the chart off of P is to follow the arrow to the left. This means you move the decimal place to the left, and the “little two” between the D and the P reminds you to always move it two places. This results in the decimal .125. To turn a decimal into a fraction, you simply read it properly. Since .125 is read as one hundred twenty five thousandths, you write $\frac{125}{1000}$ which reduces to $\frac{1}{8}$.

Practice FDP Problems:

- Convert $\frac{3}{8}$ to a percent.
- Convert 24% to a fraction.
- Convert $\frac{5}{11}$ to a percent.
- Convert $1\frac{3}{5}\%$ to a fraction.
- Convert $\frac{2}{3}\%$ to a fraction.
- Convert 5 to a percent.

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Teaching Notes For Homework #18

Word Problems to set up Baby Math God

Students will change word problems into math equations and solve for x . Remind students that “of” means to multiply and tell that is means equal.

Sample problem: 36 is what percent of 24?

First have students translate into “math.” $36 = x \cdot 24$ Then get x alone. Once you have an answer for x go back and check the problem, if it asks for a percent you need to put your x answer on the FDP chart to turn into a percent.

Practice Setting up Baby Math God Problems:

- 18 is 48% of what number?
- 12 is what percent of 2?
- Find .64% of 1200

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