Converting Percents to Fractions

Step 1   Drop % sign
Step 2   Write exact number in front of % sign and ÷ 100
Step 3   Division by 100 becomes multiplication by $\frac{1}{100}$
Step 4   Multiply and simplify

Examples:

a. $\frac{2}{5}\%$

$\frac{2}{5} \div 100$ Write exact number in front of % sign and ÷ 100

$\frac{2}{5} \times \frac{1}{100}$ Change to multiplication & r***educe*** the fractions ☺

$\frac{1}{250}$ Perform the multiplication and simplify

b. $60\frac{2}{3}\%$

$\frac{182}{3}\%$ Change to an improper fraction

$\frac{182}{3} \div 100$ Write exact number in front of % sign and ÷ 100

$\frac{182}{3} \times \frac{1}{100}$ Change to multiplication

$\frac{91}{150}$ Perform the multiplication and simplify

c. 5.5%

$5\frac{5}{10}\% = 5\frac{1}{2}\%$ Change decimal to a fraction ***and reduce*** ☺

$5\frac{1}{2} \div 100$ Write exact number in front of % sign and ÷ 100

$\frac{11}{2} \times \frac{1}{100}$ Change to an improper fraction and change to multiplication

$\frac{11}{200}$ Perform the multiplication and simplify

Convert the following percent to fraction:

1. 3%

2. 6.6%

3. $\frac{2}{3}$ %

4. $3\frac{1}{6}$%

Solutions:

1. $\frac{3}{100}$ **2.** $\frac{33}{500}$ **3.** $\frac{1}{150}$ **4.** $\frac{19}{600}$