

Unit 2 : Percent**2.2 - Percents, decimals, and fractions****Example - Fraction $\leftrightarrow$ Percent****Key Points**

$$\frac{1}{8} = \quad \%$$

① $\frac{1}{8} \xrightarrow{\times 12.5} \frac{12.5}{100} \rightarrow 12.5\%$ ② $\frac{1}{8} \div 1 = 0.125$
 $0.125 \times 100\% = 12.5\%$

$$64\% = \frac{64}{100} \div 2 = \frac{32}{50} \div 2 = \boxed{\frac{16}{25}}$$

- ① • Make an equivalent fraction over 100

OR

- ② • Convert to decimal and multiply by 100%

- Make fraction out of 100
- Reduce to lowest terms

Example - Percent $\leftrightarrow$ Decimal**Key Points**

$$85\% = \frac{85}{100} \rightarrow \frac{85 \div 100}{100 \div 100} = 0.85$$

- Divide by 100%

* multiplying by 10, 100, 1000...
 → move decimal left 1 place for every zero.

$$0.29 = \quad \%$$

- Multiply by 100%

$$0.29 \times \frac{100}{100} = 29\%$$

* dividing by 10, 100, 1000...
 → move decimal right 1 place for every zero.

Name:

Math 9B

Date:

Example - Fraction $\leftrightarrow$ Decimal

Key Points

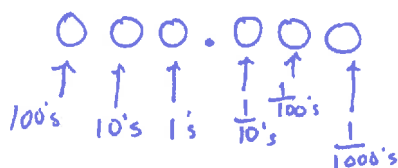
$$\frac{2}{5} = 2 \div 5 = 0.4$$

- Divide numerator by denominator

$$0.158 = \frac{158}{1000} = \frac{79}{500}$$

(Handwritten notes: 1000, 158, 79, 500)

- Last digit's place value is denominator
 - Ex. Thousandths



- Remove decimal and number becomes numerator
- Reduce to lowest terms

