CONVERTING REAL NUMBERS

1 FRACTIONS → DECIMALS

$$\frac{5}{8} \rightarrow = 0.625$$

Numerator Divided by Denominator

2 PERCENTS → FRACTIONS

$$45\% = \frac{9}{20}$$

Change the percent to a fraction over 100
(Percent = per 100)

$$\frac{45}{100} = \frac{9}{20}$$

3 DECIMALS → PERCENTS

$$0.82 \rightarrow 82\%$$

Multiply by 100

$$0.82 \times 100 = 82$$

$$0.82 = 82\%$$

Slide the decimal 2 places RIGHT!

4 PERCENTS → DECIMALS

$$56\% \rightarrow 0.56$$

Divide by 100

$$56 \div 100 = 0.56$$

$$56\% = 0.56$$

Slide the decimal 2 places LEFT!

PRACTICE TIME!

1. Convert the number below to a decimal.

$$\frac{3}{8}$$

TERMINATING or REPEATING ?

2. Convert the number below to a decimal.

$$\frac{9}{4}$$

TERMINATING or REPEATING ?

3. Convert the number below to a percent.

$$\frac{2}{9}$$

TERMINATING or REPEATING ?

4. Convert the number below to a percent.

$$\frac{10}{11}$$

TERMINATING or REPEATING ?

5. Convert the number below to a percent.

.65

TERMINATING or REPEATING ?

6. Convert the number below to a decimal.

12.3%

TERMINATING or REPEATING ?

7. Convert the number below to a fraction.

0.05

TERMINATING or REPEATING ?

8. Convert the number below to a fraction.

5.125

TERMINATING or REPEATING ?

$2+3=5$ π $x^2+y^2=z^2$