

**Percent**

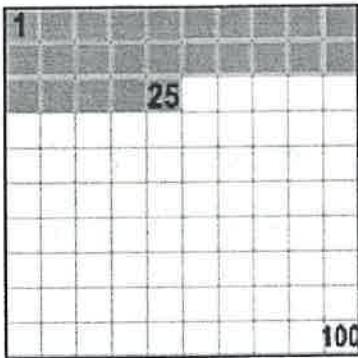
"Cent"

Percentage  
Centimeter  
Cent (penny)  
Centipede  
Century

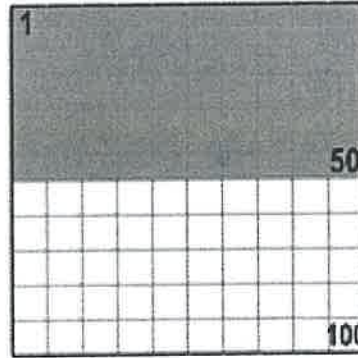
Percent: \_\_\_\_\_

parts per hundred  
%

1%



25%



50%



100%

**Fraction to Percent**

Convert the fraction to a percent.

1)  $\frac{7}{10} = \frac{70}{100} = 70\%$

2)  $\frac{3}{5} = \frac{60}{100} = 60\%$

3)  $\frac{11}{20} = \frac{55}{100} = 55\%$

4)  $\frac{1}{5} = \frac{20}{100} = 20\%$

**Percent to Fraction**

Convert the percent to a fraction.

Reduce

1) 29%  $\frac{29}{100}$

2) 45%  $\frac{45}{100} = \frac{9}{20}$

3) 25%  $\frac{25}{100} = \frac{1}{4}$

4) 51%  $\frac{51}{100}$

## Decimal to Percent

\*pronounce the number w/o using the word "point." Then use the place value to write the percent.

1) 0.62

$$\frac{62}{100} = 62\%$$

2) 1

$$\frac{100}{100} = 100\%$$

3) 2.3

$$2\frac{3}{10} = 2\frac{30}{100} = 230\%$$

What is the rule?

When going from decimal  $\rightarrow$  percent, move the decimal twice to the right.

## Percent to Decimal

1) 75%

$$\frac{75}{100} = .75$$

2) 0.4%

$$\frac{.4}{100} = \frac{4}{1000} = .004$$

3) 168%

$$\frac{168}{100} = 1.68$$

What is the rule?

When going from a percent  $\rightarrow$  decimal, move the decimal twice to the left.

## Fraction to Decimal to Percent

1)  $\frac{3}{8}$

$$\begin{array}{r} .375 \\ 8 \overline{) 3.000} \\ \underline{-24} \phantom{00} \\ 60 \phantom{0} \\ \underline{-56} \phantom{0} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

2)  $\frac{11}{6}$

$$\begin{array}{r} 1.8\bar{3} \\ 6 \overline{) 11.000} \\ \underline{-6} \phantom{000} \\ 50 \phantom{0} \\ \underline{-48} \phantom{0} \\ 20 \phantom{0} \\ \underline{-18} \phantom{0} \\ 20 \end{array}$$

3)  $\frac{5}{12}$

$$\begin{array}{r} .41\bar{6} \\ 12 \overline{) 5.000} \\ \underline{-48} \phantom{00} \\ 20 \phantom{0} \\ \underline{-12} \phantom{0} \\ 80 \\ \underline{-72} \\ 8 \end{array}$$

$$37.5\%$$

$$183.\bar{3}\%$$

$$41.\bar{6}\%$$

Homework: