

Lesson 32- Percent %

Percent is a ratio of some number to 100.

$$\frac{\text{any number}}{100}$$

Is it possible to have percentages greater than 100? yes

Fractions → Percent (numerator) (denominator)

Step 1: divide the top number by the bottom number.

$$\frac{1}{3} = 33\frac{1}{3}\%$$

Step 2: multiply the decimal by 100

$$\frac{4}{5} = 4 \div 5 \times 100 = 80\%$$

$$\frac{2}{3} = 2 \div 3 \times 100$$

$$66.\bar{6}\% = 66\frac{2}{3}\%$$

$$1 \frac{3}{5} = \frac{8}{5}$$

$$8 \div 5 \times 100 = 160\%$$

Decimal → Percent

multiply the decimal by 100

$$0.2 \times 100 = 20\%$$

$$0.025 \times 100 = 2.5\%$$

$$1.25 \times 100 = 125\%$$

Practice:

1) $0.652 = 65.2\%$

2) $0.552 = 55.2\%$

3) $1.44 = 144\%$

4) $0.232 = 23.2\%$

5) $1.35 = 135\%$

6) $0.34 = 34\%$