## Percents

· Converting percents to fractions

$$\chi \% \rightarrow \frac{\chi}{100}$$
 Given:  $\chi = 20$ 

$$20\%$$
  $\rightarrow \frac{20}{100} = \frac{1}{5} = \frac{2}{10} = \dots$ 

· Converting fractions to percents

1 = 0.05 · 100 ("Move the decimal 2 places to the right")

= 5%. 
$$\rightarrow \frac{5}{100}$$
 -factors 5: 15  
 $\frac{1}{20} = 5\% = \frac{5}{100}$   $\frac{1}{20} = \frac{5}{100}$  "5 is prime"

· Reducing the fraction does not change the value, only the representation

$$\frac{1}{20}$$
  $\Rightarrow$  percent  $\frac{1}{20} = \frac{n}{100}$ 

$$\frac{1}{20} \cdot \frac{5}{5} = \frac{n}{100}$$

$$\frac{5}{100} = \frac{n}{100} = 5\%$$

$$P = 0.065 \cdot 2.30$$

$$0.15 = R \cdot 2.3$$

$$0.15 = R(2.3) = 2.3R$$

$$0.15 = R \cdot 2.3$$

$$\frac{0.15}{2.3} = R = 0.065$$

$$\frac{P}{B} = R$$
,  $R = \frac{P}{B}$ 

$$B = ? = \frac{P}{R} = 2.30$$