Review Exercise Set 24

Solve for the percent using the formula "Percent * Base = Amount".

Exercise 1: What percent of 75 is 17.25?

Exercise 2: 28.8 is what percent of 90?

Exercise 3: 0.4 is what percent of 20?

Exercise 4: What percent of 110 is 126.5?

Exercise 5: 38.22 is what percent of 36.4?
Exercise 1: What percent of 75 is 17.25?

Let $x = \text{unknown percentage}$

\[
x \times 75 = 17.25 \\
x \times 75 \div 75 = 17.25 \div 75 \\
x = 0.23 \\
x = 23\% 
\]

Exercise 2: 28.8 is what percent of 90?

Let $x = \text{unknown percentage}$

\[
28.8 = x \times 90 \\
28.8 \div 90 = x \times 90 \div 90 \\
0.32 = x \\
32\% = x 
\]

Exercise 3: 0.4 is what percent of 20?

Let $x = \text{unknown percentage}$

\[
0.4 = x \times 20 \\
0.4 \div 20 = x \times 20 \div 20 \\
0.02 = x \\
2\% = x 
\]

Exercise 4: What percent of 110 is 126.5?

Let $x = \text{unknown percentage}$

\[
x \times 110 = 126.5 \\
x \times 110 \div 110 = 126.5 \div 110 \\
x = 1.15 \\
x = 115\% 
\]

Exercise 5: 38.22 is what percent of 36.4?

Let $x = \text{unknown percentage}$

\[
38.22 = x \times 36.4 \\
38.22 \div 36.4 = x \times 36.4 \div 36.4 \\
1.05 = x \\
105\% = x 
\]