

- 1) A supplier gives a 25% discount. My discount was \$150. How much did I spend to get this discount?

$$\text{Whole} = \text{Part} \div \text{Percent}$$

$$\text{Whole} = 150 \div 25\%$$

$$\text{Whole} = 150 \div .25$$

$$\text{Whole} = 600$$

\$600

- 2) A supervisor receives a shipment where 46 out of 750 pieces were defective. What is the waste allowance for this shipment?

$$\text{Percent} = \text{Part} \div \text{Whole} \times 100$$

$$\text{Percent} = 46 \div 750 \times 100$$

$$\text{Percent} = 6.\overline{13}$$

6.13%

- 3) While preparing my bid for a job, I put in that \$150 out of the total cost of the \$1100 will go towards overhead expenses. What percent is this?

$$\text{Percent} = \text{Part} \div \text{Whole} \times 100$$

$$\text{Percent} = 150 \div 1100 \times 100$$

$$\text{Percent} = 13.\overline{63}$$

13.6%

- 4) 15% of the light bulbs I ordered were defective. I ordered 380 lightbulbs. How many were defective?

$$\text{Part} = \text{Percent} \times \text{Whole}$$

$$\text{Part} = 15\% \times 380$$

$$\text{Part} = 57$$

57 light bulbs

- 5) My pay before taxes is \$675. My tax rate is 15%. How much is taken out of my paycheck?

$$\text{Part} = \text{Percent} \times \text{Whole}$$

$$\text{Part} = 15\% \times 675$$

$$\text{Part} = 101.25$$

\$101.25