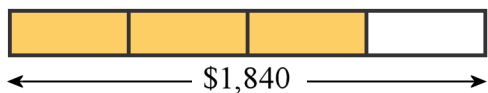


Problem Solving with Bar Models 1

A fractional part of the whole

Jackie earns \$1,840 monthly and Jessie earns $\frac{3}{4}$ as much. How much does Jessie earn?



In the model, Jackie's salary is divided into four equal parts (blocks). To find $\frac{3}{4}$ of it, first find $\frac{1}{4}$ of it, which is **one block** in the model.

$$\$1,840 \div 4 = \$460$$

Then multiply that result by three: $3 \times \$460 = \$1,380$. So, Jessie earns \$1,380.

Solve. Draw a bar model. Write an expression (number sentence) for each calculation you do.

1. A \$125 camera was discounted by $\frac{1}{5}$ of its price. What is its new price?



$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

2. A pizza that weighs 680 g is divided into five equal pieces. How much do two pieces weigh?

$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

3. A bottle of water costs $\frac{2}{3}$ as much as a bottle of juice that costs \$1.50. How much do two bottles of water and two bottles of juice cost?