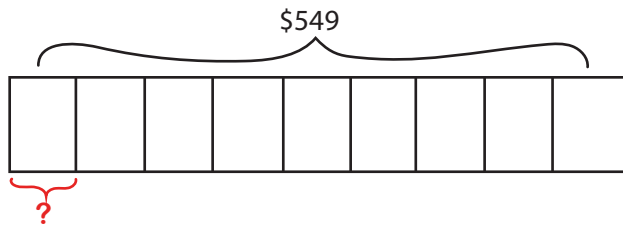


Part-Whole Models with Division Word Problems

Part-whole models, or bar models, visually allow students to understand word problems. When reading a division word problem, students should identify the whole, or total, and then the given parts, or the divisor.

Nine classes resolved to raise \$549 for the food pantry. If they split their goal between all the classes, what is the minimum amount each class needs to raise?



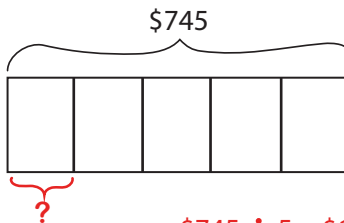
whole \div number of parts = one part

$$\$549 \div 9 = 61$$

Each class needs to raise \$61 for them to reach their goal.

Directions: Read the word problem. Determine the whole and the part or number of parts, and then draw a part-whole model. Then, solve for the division problem.

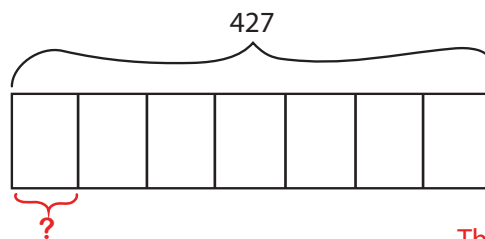
1. The relay team consisted of 5 players. They each raised the same amount of money, for a total of \$745. How much did each player raise?



$$\$745 \div 5 = \$149$$

Each player raised \$149.

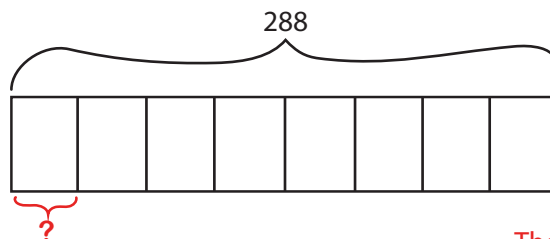
2. The Panthers basketball team played seven games at the end of their season. They scored 427 points throughout the seven games. What was the average amount of points scored per game?



$$427 \div 7 = 61$$

They scored on average 61 points per game.

3. There are 288 students at Highwood Elementary. For the field trip, there were the same number of students on each of the eight buses. How many students were on each bus?



$$288 \div 8 = 36$$

There are 36 students on each bus.