

Name \_\_\_\_\_

Date \_\_\_\_\_

## Real Life Middle School Math Word Problems - Step-by-Step Lesson

1. Three students conduct the same survey about the amount of coffee people drink in the morning. The results of the number of people who drink coffee are shown below. In which survey did people drink the most coffee?

- Debbie reported that 21 of the 50 people she surveyed drink coffee in the morning.
- Allen reported that 45% of the people he surveyed drink coffee in the morning.
- Benny reported that 0.495 of the people he surveyed drink coffee in the morning.



### Explanation:

Step 1) The best way to approach a problem like this is to get all the numbers in the same format. You really could choose any format to go with. Let's try percentage. Let's get everything into a percentage.

Step 2)

Debbie reports = 21 of the 50 people

$$\frac{21}{50} \times 100 = 42\%$$

Allen reports = 45%

Benny reports = 0.495 or 49.5%

Step 3) We now compare the three values and look for the largest value:

42%, 45%, and 49.5%

Benny's survey has the largest percentage (49.5%).

