

## Lesson 27: Solving Percent Problems

### Classwork

#### Example 1

Solve the following three problems.

Write the words PERCENT, WHOLE, PART under each problem to show which piece you were solving for.

60% of 300 = \_\_\_\_\_      60% of \_\_\_\_\_ = 300      60 out of 300 = \_\_\_\_\_ %

\_\_\_\_\_

How did your solving method differ with each problem?

**Exercise 1**

Use models, such as  $10 \times 10$  grids, ratio tables, tape diagrams, or double number line diagrams, to solve the following situation.

Priya is doing her back-to-school shopping. Calculate all of the missing values in the table below, rounding to the nearest penny, and calculate the total amount Priya will spend on her outfit after she received the indicated discounts.

	<b>Shirt (25% discount)</b>	<b>Pants (30% discount)</b>	<b>Shoes (15% discount)</b>	<b>Necklace (10% discount)</b>	<b>Sweater (20% discount)</b>
Original Price	\$44			\$20	
Amount of Discount		\$15	\$9		\$7

What is the total cost of Priya's outfit?