

## Lesson 28: Solving Percent Problems

### Classwork

#### Example

If an item is discounted 20%, the sale price is what percent of the original price?

If the original price of the item is \$400, what is the dollar amount of the discount?

How much is the sale price?

**Exercise**

The following items were bought on sale. Complete the missing information in the table.

Item	Original Price	Sale Price	Amount of Discount	Percent Saved	Percent Paid
Television		\$800		20%	
Sneakers	\$80			25%	
Video Games		\$54			90%
MP3 Player		\$51.60		40%	
Book			\$2.80		80%
Snack Bar		\$1.70	\$0.30		

### Lesson Summary

Percent problems include the part, whole, and percent. When one of these values is missing, we can use tables, diagrams, and models to solve for the missing number.

### Problem Set

1. The Sparkling House Cleaning Company has cleaned 28 houses this week. If this number represents 40% of the total number of houses the company is contracted to clean, how many total houses will the company clean by the end of the week?
2. Joshua delivered 30 hives to the local fruit farm. If the farmer has paid to use 5% of the total number of Joshua's hives, how many hives does Joshua have in all?