

Lesson 5-7 : Percent of a number

SWBAT: Use percents to find part of a whole.

**Percent of a number:**

- First, turn the number into a decimal
- Since “of” means multiply, just multiply the 2 numbers!

Ex:

Find 22% of 288

Find 12% of 91

Find 8% of 121

**Word Problems:**

- You first need to figure out if it is asking for the sale amount or the new price.
- If it is asking for the new price of an item, you need to subtract!

Ex: A store has all baseball equipment on sale for 40% off. How much will you save on a \$32 glove?

- First you need to find 40% of \$32.
- Since “of” means multiply, we need to multiply .40 and 32
- $.40 \cdot 32 = 12.80$ . So you saved \$12.80

You buy a \$40 shirt on sale for 20% off. How much did you save?

You buy a \$120 bike on sale for 25% off. How much does it cost?

A video game costs \$60 but is on sale for 30% off. How much did you save? How much does it cost?

Save:

Cost:

You find a jacket at the store on the discount rack. It normally costs \$48 and is on sale for 75% off. How much did you save? How much did it cost?

Save:

Cost:

Store A has a discount of 66% off. Store B has a sale for  $\frac{2}{3}$  off. Which store has the better deal?

Challenge:

200 Students were surveyed and 30% said they have visited Sea World. Of those students, 60% of them said they saw the whale show. How many students saw the whale show?