

# MOMENTUM MATH LEVEL G



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# PERCENTS

**A**

## Today's Destination What is a percent?



### Vocabulary

**Percent** A number that expresses a fraction with a denominator of 100



### Problem of the Day



What fraction of Marta's serves have been good? \_\_\_\_\_  
 \_\_\_\_\_

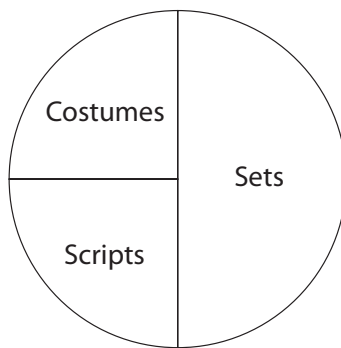
 **SIDE TRIPS**

1) There are 10 baseball players shown below. Complete the drawing so that:

- 50% of the players are wearing striped shirts
- 40% of the players are wearing hats



2) This circle graph shows how the director spent money for the school play. She spent \$280 total. She spent 25% of the money on costumes, 25% of the money on scripts, and 50% of the money on sets. How much money did the director spend on each?



Sets: \_\_\_\_\_

Costumes: \_\_\_\_\_

Scripts: \_\_\_\_\_

Explain how you found your answers.



\_\_\_\_\_


\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



You can use the **percent change** (percent increase or percent decrease) to compute a new number if you know the original.



**Last week, a bakery sold 700 muffins. This week, there was a 10% decrease in sales of muffins. How many muffins did the bakery sell this week?**


FIRST, I CAN FIND THE DECREASE IN THE NUMBER OF MUFFINS SOLD: 10% OF 700.

 **Compute It!**

$$10\% \times 700 = 70 \text{ muffins}$$

SINCE 10% REPRESENTS A DECREASE, I WILL SUBTRACT 70 FROM LAST WEEK'S SALES.

 **Compute It!**

$$700 - 70 = 630 \text{ muffins}$$


**Try It Out!**

**Last year, a beekeeper counted 450 bees in her hive. This year, she notices that the bee population in the hive has increased 20%. How many bees are in the hive this year?**

First, compute the number of bees added to the hive.

 **Compute It!**

Then add the increase to the original number of bees in the hive.

 **Compute It!**

**J**