

Unit 4

Family Letter

Florida Reveal
MATH[®]

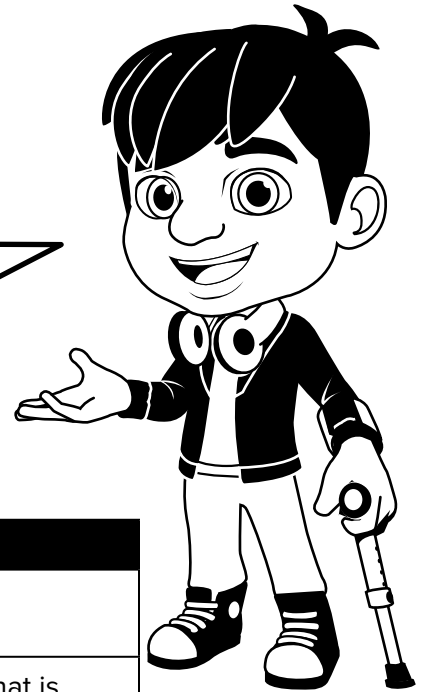
Dear Family,

In this unit, Meanings of Addition and Subtraction, we will be learning how to solve word problems using addition and subtraction equations.

STEM Career Kid for this Unit

Hi, I'm Deven.

Hello! My name is Deven, and I want to be a sound engineer. Sound engineers use math when determining the number of speakers they need for a job.



What math terms will your child use?

| Term | Student Understanding |
|-------------|--|
| addend | numbers added to find a sum, for example, in $1 + 2 = 3$, the addends are 1 and 2 |
| bar diagram | a picture that consists of bars of different lengths that is used to represent a word problem |
| equation | a mathematical statement where two expressions are equal, for example, $2 + 6 = 8$, and $9 - 3 = 6$ |
| unknown | in an equation or word problem, this is the missing addend, total, or number being taken away |



What can your child do at home?

Work with your child to build his or her skills with adding and subtracting within 20. Create flashcards with different equations for your child to solve.

What Will Students Learn in this Unit?

Add To and Take From Problems

In this unit, your child will learn how to add a quantity to an existing quantity and how to subtract a quantity from an existing quantity. Students will create equations to solve one-step word problems with addition and subtraction.

Example:

What equation can represent the problem? Solve and explain your equation.

Vera makes 14 birdhouses. She sells 9 birdhouses. How many birdhouses does she have now?

$$14 - 9 = ?$$

Start with Vera's 14 birdhouses and subtract the 9 she sells.

Since $14 - 9 = 5$, Vera has 5 birdhouses now.

Put Together and Take Apart Problems

Your child will also learn how to solve put together and take apart problems. The put together problems involve joining two quantities to form a greater total. The take apart problems involve breaking a total into two groups. Again, students will create equations to solve one-step word problems with addition and subtraction.

Example:

What equation can represent the problem? Solve and explain your equation.

Rosa has 12 balloons. 4 are blue and the rest are red. How many balloons are red?

$$4 + ? = 12 \text{ or } 12 - 4 = ?$$

One way to solve is to subtract 4 blue balloons from 12 total balloons.

Since $12 - 4 = 8$, 8 balloons are red.

I can also check that $4 + 8 = 12$.

Compare Problems

Your child will also learn how to represent and solve compare problems. These problems will use addition and/or subtraction to find how many more or fewer objects there are in one quantity than in another.

Example:

What equation can represent the problem? Solve and explain your equation.

There are 6 more tulips than daisies. There are 8 daisies. How many tulips?

$$8 + 6 = ?$$

Start with 8 daisies and add 6 to determine the number of tulips.

Since $8 + 6 = 14$, there are 14 tulips.