

WRITING EQUATIONS

Read each situation on the left, then write down what is happening mathematically on the right.

Wendy and Kingston are constructing a sandbox. They cut a piece of wood into four equal parts.



Mrs. Thomas has money in her bank account. She goes to the store and spends \$50.



Use the table below to review different synonyms for mathematical operations. Then, use the keywords to help you write and solve the following real-world problems.

ADD:	SUBTRACT:	MULTIPLY:	DIVIDE:	EQUALS:

Read the situations below to complete the graphic organizer showing what is happening and what operation should be used to set up an equation.

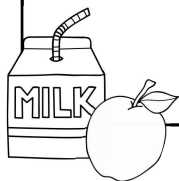
1. Miles and Ella have an equal number of stickers. They find _____ more stickers which brings the total number of stickers to _____. How many stickers do Miles and Ella have?

MILES AND ELLA'S
STICKERS

FOUND
STICKERS

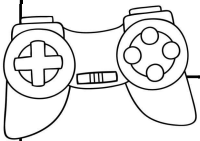
TOTAL
STICKERS

2. Jose deposits _____ dollars into his lunch account. He spends _____ dollars for each lunch. He now has a balance of _____ dollars in his account. How many lunches has Jose purchased?



Use the keywords to help you set up and solve an equation for each of the situations below.

SITUATION	EQUATION AND SOLUTION
<p>3. A freight company charges \$1.45 per pound, plus a handling fee of \$3.25. A customer is charged \$9.05 to ship a package. How many pounds did the package weigh?</p>	
<p>4. A tenant is charged \$850 for rent on the 5th of the month. For every day they are early, they can deduct \$15 from their rent. The tenant pays \$805. How many days early did they pay rent?</p>	
<p>5. Jordan pays \$12.50 for a ride sharing membership, lowering his fees to \$1.50 per ride. In March, Jordan spent \$39.50 to use the ride sharing membership. How many rides did he take?</p>	
<p>6. Jung purchased several video games priced at \$29.95 each and paid \$5.95 for express shipping. His total purchase was \$185.65. How many video games did he purchase?</p>	
<p>7. Milo is five inches shorter than his brother, Jayce. If Milo is 42 inches tall, then how tall is Jayce?</p>	



8. Write a real-world situation that could be represented by the equation:

$$75 + 25x = 300$$

Situation: _____

What does the variable represent? _____