

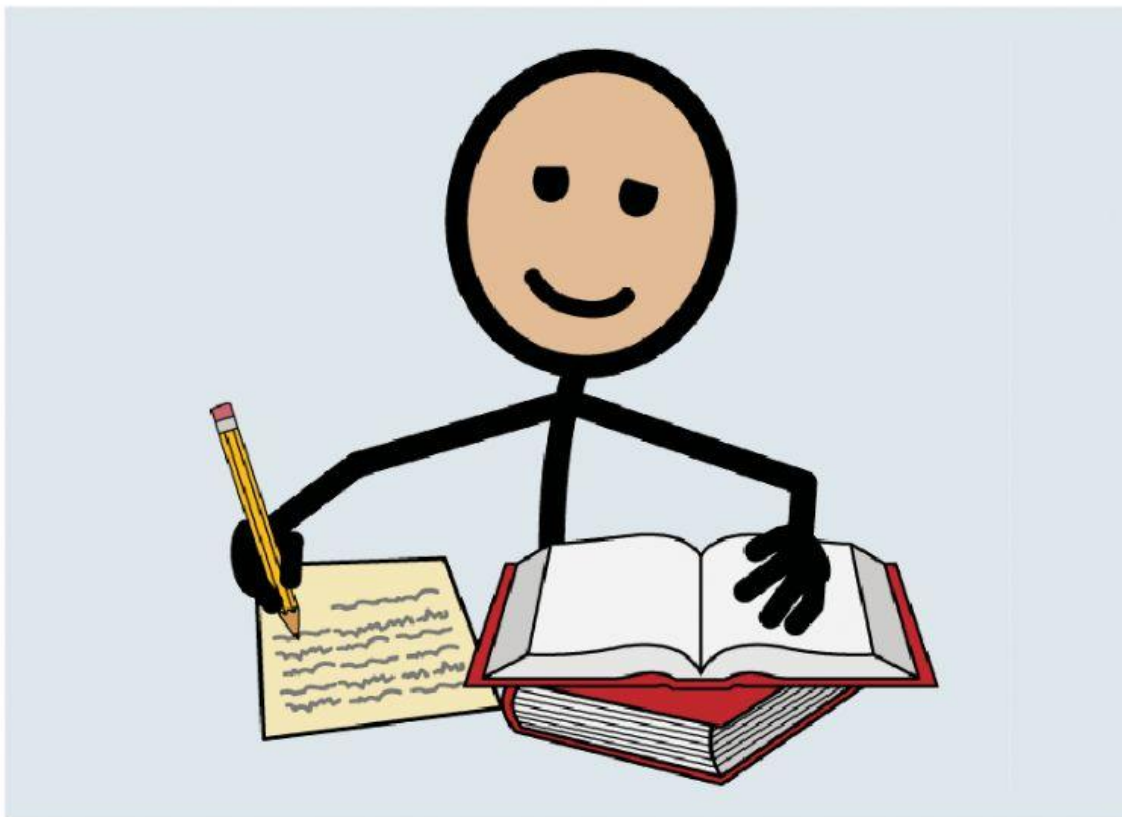


Math

Math • Equivalent Expressions
Lesson 7: Review

Equivalent Expressions

Dimension A Lesson 7: Review



Common Core Content Activities

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Dim
A

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LIVEWORKSHEETS



Review



Goals



- You will review the concepts you have learned.

1. What is equivalent?



- ☐ a. it is equal $=$
- ☐ b. it can be substituted for different numbers a
- ☐ c. problem on both sides of the equals sign are equal $y = x + 1$

$$7 + 6 = 2 + 11$$

2. Is the problem above equivalent?



- ☐ a. yes
- ☐ b. no
- ☐ c. neither





3. What is a variable?



- ☐ a. it is equal **=**
- ☐ b. it can be substituted for different numbers **a**
- ☐ c. problem on both sides of the equals sign are equal **$y = x + 1$**

$$7 + 6 = a + 11$$

4. What is the variable in the problem?



- ☐ a. seven **7**
- ☐ b. equal **=**
- ☐ c. "a" **a**

5. What is an equation?



- ☐ a. it is equal **=**
- ☐ b. it can be substituted for different numbers **a**
- ☐ c. problem on both sides of the equals sign are equal **$y = x + 1$**



$$7 + 6 = 2 + a$$

6. Choose the best answer for part of the equation.



☐ a. equals sign

=




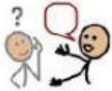
☐ b. letter "a"

a

☐ c. $7 + 6$

7. Solve the equation!



	$18 - 7 = a - 5$								
 	<input type="text"/> = $a - 5$								
 	<table border="0"><tr><td><input type="text"/></td><td>= $a - 5$</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td colspan="2"><hr/></td></tr><tr><td><input type="text"/></td><td>= a</td></tr></table>	<input type="text"/>	= $a - 5$	<input type="text"/>	<input type="text"/>	<hr/>		<input type="text"/>	= a
<input type="text"/>	= $a - 5$								
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<input type="text"/>	= a								



8. In problem 7, what does the variable “a” represent?



- | | |
|-----------------------------------|----|
| <input type="radio"/> a. ten | 10 |
| <input type="radio"/> b. fourteen | 14 |
| <input type="radio"/> c. sixteen | 16 |

$$18 - 7 = a - 5$$

9. Is the equation equivalent?

=

- ☐ a. yes
- ☐ b. no
- ☐ c. neither











$$13 + 3 = a + 5$$

10. Solve the equation, if “a” is 6.

$$y = x + 1$$

		$13 + 3 = a + 5$	
Given		 	
a			
		  $=$ 	

11. In the problem above, what does the variable “a” represent? 

- | | |
|-----------------------------------|----|
| <input type="radio"/> a. six | 6 |
| <input type="radio"/> b. fourteen | 14 |
| <input type="radio"/> c. sixteen | 16 |



$$13 + 3 = a + 5$$

12. Is the equation equivalent, if "a" is 6?

=

- ☐ a. yes
- ☐ b. no
- ☐ c. neither



13. Create the equations below on the scale. Then have your teacher mark if they are correct!



$$2 + 1 = 3 + 0$$



$$4 + 1 = 2 + 2$$



$$3 + 2 = 4 + 1$$



