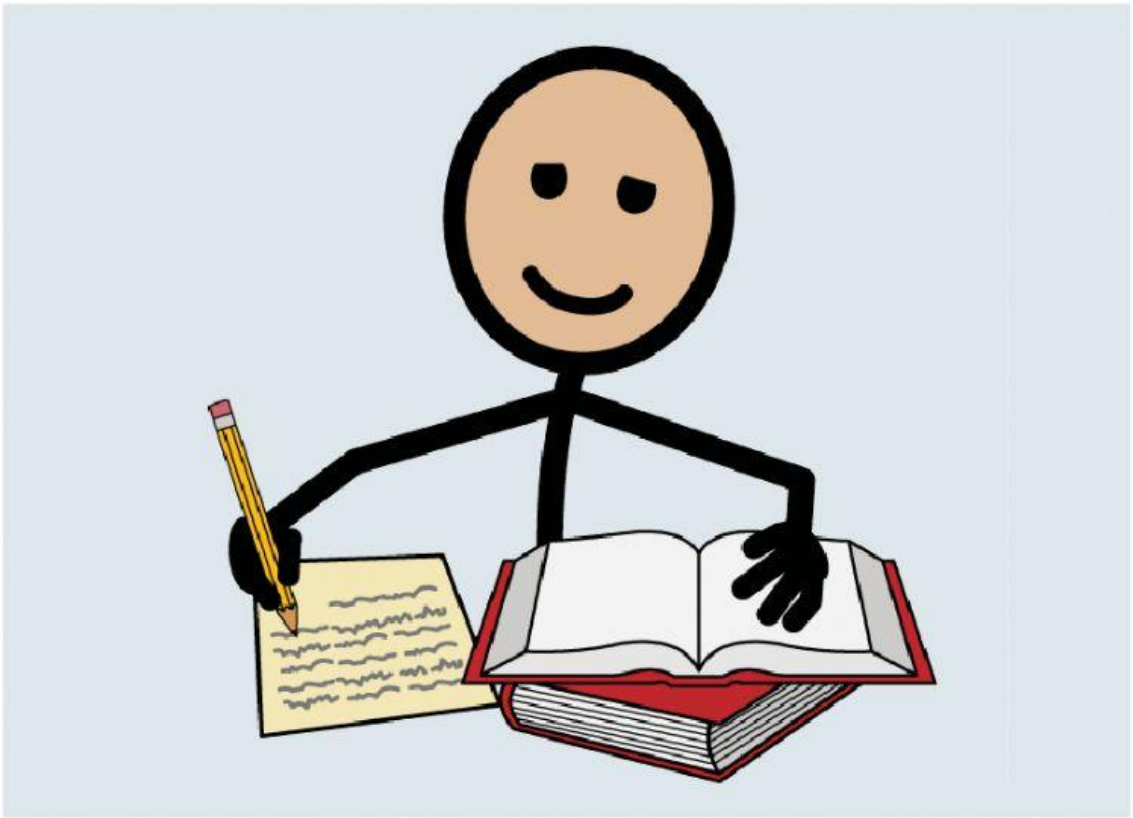
Math

Equivalent Expressions

Dimension A Lesson 7: Review



Math ▪ Equivalent Expressions
Lesson 7: Review

Dim A

Common Core Content Activities

By Erica Price and Christina Willoughby

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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
- ○ **c.** problem on both sides of the equals sign are equal

=

a

$y = x + 1$

7 + 6 = 2 + 11

2. Is the problem above equivalent?

- ○ **a.** yes
- ○ **b.** no
- ○ **c.** neither







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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?

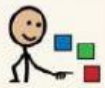
- ○ **a.** it is equal =
- ○ **b.** it can be substituted for different numbers a
- ○ **c.** problem on both sides of the equals sign are equal y = x + 1

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7 + 6 = 2 + a

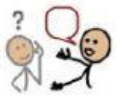
6. Choose the best answer for part of the equation.



- ○ **a.** equals sign =
- ○ **b.** letter "a" a
- ○ **c.** 7 + 6

7. Solve the equation!



	18 - 7 = a - 5
	□ = a - 5
 	□ = a - 5 □ □ □ = a

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



○ **a.** ten	**10**
○ **b.** fourteen	**14**
○ **c.** sixteen	**16**

18 - 7 = a - 5

9. Is the equation equivalent?

○ **a.** yes	
○ **b.** no	
○ **c.** neither	

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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? 

○ **a.** six	**6**
○ **b.** fourteen	**14**
○ **c.** sixteen	**16**

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13 + 3 = a + 5

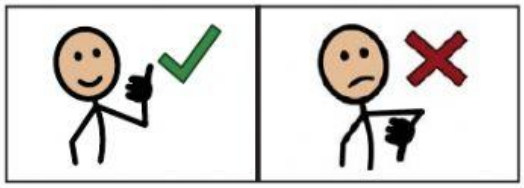
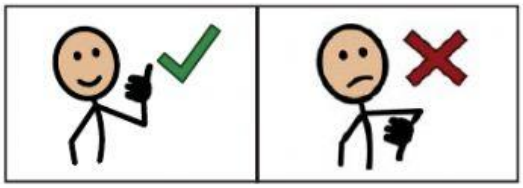
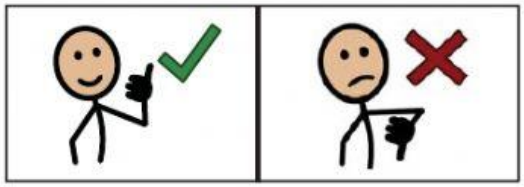
12. Is the equation equivalent, if "a" is 6?



- ○ **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	

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