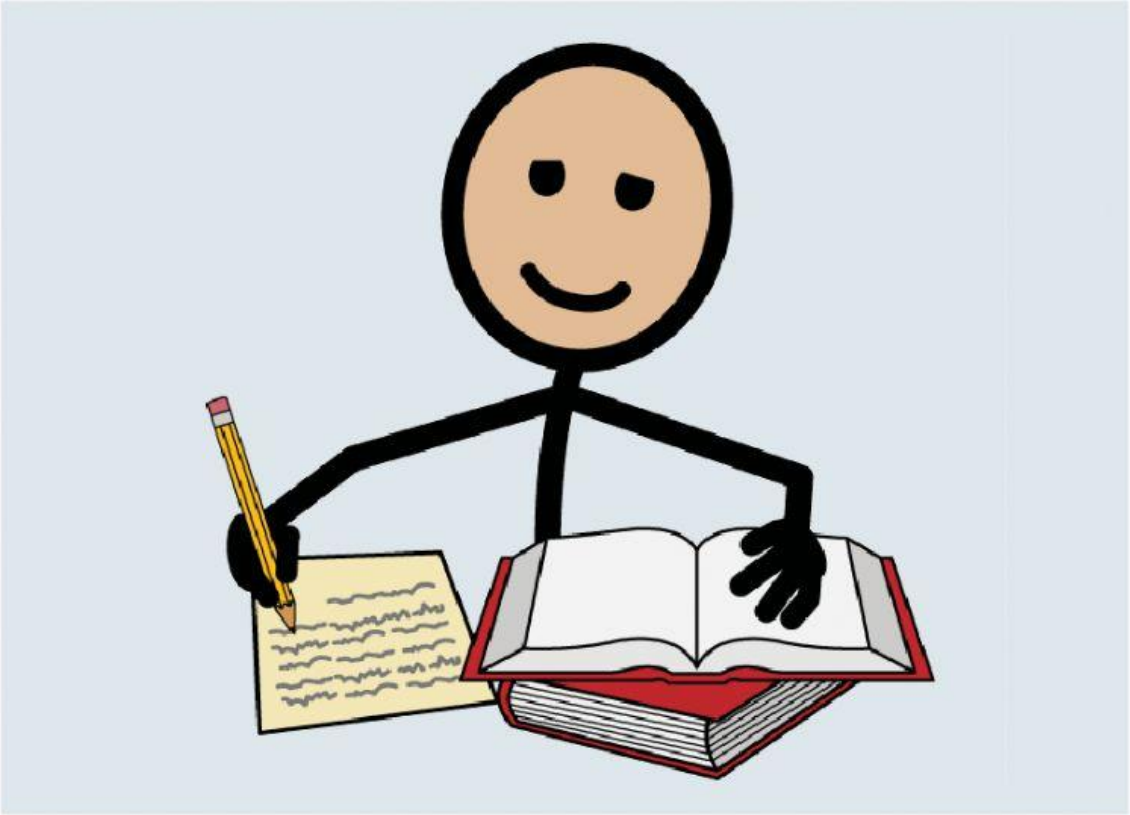
Math

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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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
- ○ **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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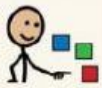
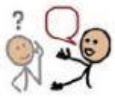
7 + 6 = 2 + a

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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