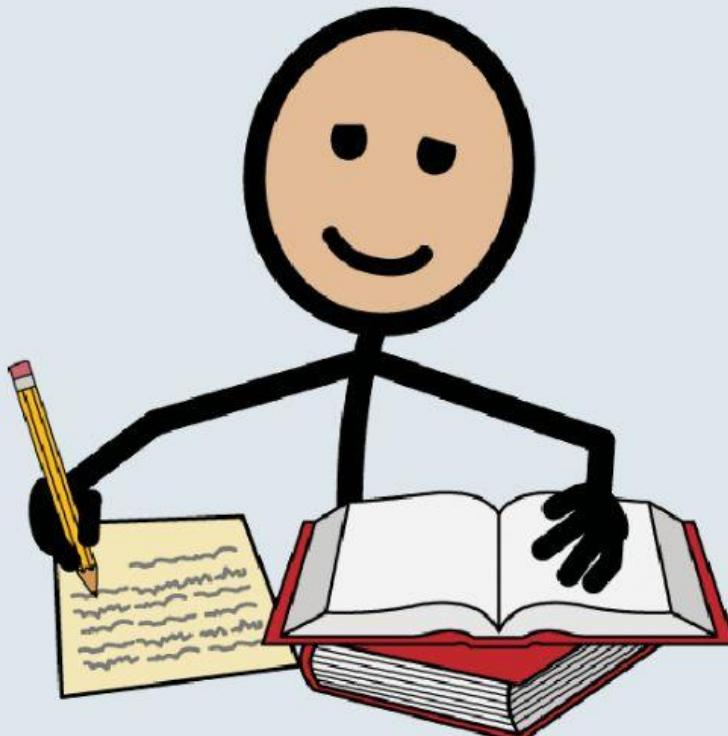




# Equivalent Expressions

## Dimension A

Lesson 7: Review



## Common Core Content Activities

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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 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"       $a$

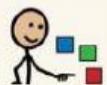
**5. What is an equation?**

- 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"
- c.  $7 + 6$

=

a

7. Solve the equation!



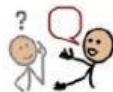
$$18 - 7 = a - 5$$



$$= a - 5$$



$$= a - 5$$



$$= a$$



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



$$13 + 3 = a + 5$$

10. Solve the equation, if “a” is 6.

$$y = x + 1$$

|   |  |   |
|---|--|---|
|   |  | $13 + 3 = a + 5$  |
| <b>Given</b>  |  |   |
| a   |  |   |
|  |  | <input type="text"/> = <input type="text"/>   |

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

- a. six 6
- b. fourteen 14
- 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!



$$2 + 1 = 3 + 0$$



$$4 + 1 = 2 + 2$$



$$3 + 2 = 4 + 1$$



