

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

5.19a

1. James mows lawns in his neighborhood. He earns \$8.00 per yard he mows, and last week he earned \$200.00. Explain what x represents in the equation $8x = \$200$

2. In the equation $5n = 30$, explain what represents the unknown value.

3. Which represents the variable in the following sentence?

$$c - 12 = 34$$

- a. c
 - b. $+$
 - c. 34
 - d. $=$
4. Which represents the unknown value in the following sentence?

$$z \div 7 = 6$$

- a. 7
 - b. 6
 - c. z
 - d. $=$
5. In the math equation $15 - d = 10$, what is the variable?

- a. 15
- b. 10
- c. $-$
- d. d