

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

4.16

1. Using the statement $96 \div 2 = \underline{\hspace{2cm}}$; create an expression using numbers at least one operation to make the statement true.

2. Using the symbols $=$ or \neq determine if each set of expressions are equal or not equal.

$$20 \times 4 \underline{\hspace{1cm}} 10 + 70$$

$$6 + 7 \underline{\hspace{1cm}} 132 \div 12$$

$$14 \times 10 \underline{\hspace{1cm}} 5 \times 28$$

$$8 \times 12 \underline{\hspace{1cm}} 92 - 4$$

3. Create and use the appropriate symbol to show that two expressions are equal or not equal. Each expression should contain at least two numbers and an operation sign.

4. Identify the symbol that goes in the box to make given statement true.

$$30 + 6 = 9 \quad \square \quad 4$$

- a. \times
- b. \div
- c. $-$
- d. $+$

5. Which statement is *not* true?

- a. $4 + (2 + 6) = (4 + 2) + 6$
- b. $20 \times 1 = 20 + 1$
- c. $(4 \times 3) \times 5 = (3 \times 5) \times 4$
- d. $21 + 5 = 5 + 21$