

# Proficient

1.  $14 - 3 \times 2 + 5$

2.  $18 \div 3 \times 2$

3.  $(9 + 7) \div 4$

4.  $6 + 2 \times (5 - 1)$

5.  $24 \div (2 + 4) + 3$

6.  $3 \times 4 + 18 \div 6$

7.  $2(7 + 1) - 5$

8.  $5 + 3^2$

9.  $(10 - 4)^2$

**10.** When  $x = 3$ , simplify  $2x + 5$ .

**11.** When  $y = 4$ , simplify  $3y - 2$ .

**12.** When  $a = 2$  and  $b = 5$ , simplify  $a + b \times 2$ .

**13.** When  $m = 6$ , simplify  $(m + 2) \div 2$ .

**14.** Is  $8 - 2 \times 3 = 18$  correct? Explain briefly.

**15.** Is  $(4 + 5) \times 2 = 14$  correct? Explain briefly.

**16.** Which is greater:  $3 + 4 \times 2$  or  $(3 + 4) \times 2$ ?

**17.** Complete:  $12 \div 3 + 4 = \underline{\hspace{1cm}}$

**18.** Complete:  $2 + 3 \times (6 - 2) = \underline{\hspace{1cm}}$