

THE SAMPLER

_____ (name)

Substitute numbers in for symbols and letters.

$\square = 5$

$\blacksquare = 10$

$\text{quarter circle} = 4$

$\triangle = 1$

$\blacktriangle = 3$

$\text{parallelogram} = 6$

$\clubsuit = 3$

$\blacktriangledown = 3$

$\blacklozenge = 4$

$\text{sun} = 1$

$\bullet = 10$

$\blacklozenge = 5$

1. Simplify: $\square \text{ parallelogram} - \text{quarter circle} \blacktriangle$

6. Simplify: $\blacklozenge \text{ sun} + \clubsuit - \text{sun} =$

2. Simplify: $\triangle \blacktriangle + \square \blacksquare$

7. Simplify: $\blacktriangledown \clubsuit \blacklozenge - \blacklozenge \clubsuit \blacktriangledown =$

3. Simplify: $\text{quarter circle} + \blacktriangle - \blacksquare \text{ parallelogram}$

8. Simplify: $\blacktriangledown \clubsuit - \bullet \blacklozenge =$

4. Simplify: $\blacktriangle \blacktriangle \blacktriangle \blacktriangle$

9. Simplify: $\clubsuit + \text{sun} - \blacktriangledown \text{ sun} + 5 =$

5. Simplify: $\square \text{ parallelogram} \blacktriangle + \triangle$

10. Simplify: $\clubsuit + \text{sun} - \blacktriangledown + \bullet + \blacklozenge - \blacklozenge =$

THE SAMPLER

_____ (name)

Substitute numbers in for symbols and letters.

$a = 2$

$m = 3$

$x = 4$

$c = 0$

$p = -2$

$j = 1$

$b = 1$

$n = 10$

$y = 5$

$d = 4$

$q = 10$

$k = 3$

1. Simplify: $xb + a - b =$

6. Simplify: $p \cdot q \cdot j \cdot c =$

2. Simplify: $max - yam =$

7. Simplify: $q + p \cdot j =$

3. Simplify: $ma - nx =$

8. Simplify: $2c - 4d =$

4. Simplify: $a + b - mb + 5 =$

9. Simplify: $j \cdot k - c + d =$

5. Simplify: $a + b - m + n + x - y =$

10. Simplify: $(p + q) \cdot j =$