

Name: Class:

Write variable expressions: two operations

Write an expression for the sequence of the following operations described below
(do not simplify your answer).

- | | |
|--|---|
| <p>1. w times 11, then add x to the result.</p> | <p>5. Multiply 10 by a, then raise the result to the 5th power</p> |
| <p>2. Double t, then add 52 to the results</p> | <p>6. Raise s to the 15th power, then triple the results</p> |
| <p>3. Half 10 then divide t by the result.</p> | <p>7. Divide 20 by 27, then subtract b from the results</p> |
| <p>4. Subtract 0 from p, then add q to the result</p> | |



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Write variable expressions: two operations

Write an expression for the sequence of the following operations described below
(do not simplify your answer).

1. **w** times 11, then add **x** to the result.

multiply **w** by 11

$$w \times 11 = 11w$$

add **x** to the results

$$11w + x =$$

$$(w \times 11) + x$$

2. Double **t**, then add 52 to the results

multiply 2 by **t**

$$2 \times t = 2t$$

add 52 to the results

$$2t + 52 =$$

$$2t + 52$$

3. Half 10 then divide **t** by the result.

to half 10, divide by 2

$$10/2 = 5$$

divide **t** by the results

$$t/5 = t/5$$

$$t/5$$

4. Subtract 0 from **p**, then add **q** to the result

subtract 0 from **p**

$$p - 0 = p - 0$$

add **q** to the results

$$(p-0) + q = (p-0) + q$$

$$(p-0) + q$$

5. Multiply 10 by **a**, then raise the result to the 5th power

multiply 10 by **a**

$$10 \times a = 10a$$

raise 10a to the power 5

$$(10a)^5$$

$$(10a)^5$$

6. Raise **s** to the 15th power, then triple the results

raise **s** to the power 15

$$s^{15}$$

multiply s^{15} by 3

$$3 \times s^{15} =$$

$$3s^{15}$$

7. Divide 20 by 27, then subtract **b** from the results

divide 20 by 27

$$20/27 = 20/27$$

subtract **b** from the result

$$20/27 - b$$

$$20/27 - b$$

