

Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Simplify Equations with Exponents - Worksheet 1

Simplify the equations using exponents.

1.  $3x \times (2x + 4x) =$

2.  $(3t \times 4t) \times 5t =$

3.  $b + b + b + b =$

4.  $2 \times 2 \times 2 \times 2 \times 2 \times 2 =$

5.  $2^3 \times 3^2 =$

6.  $4^4 \times 5p =$

7.  $7 + (2 \times 3) =$

8.  $(4a \times 3a) \times a^2 =$

9.  $3 + 3 + 3 + 3 + 3 + 3 =$

10.  $4 \times 4 \times 4 \times 4 \times 4 =$



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Topic : Simplify Equations with Exponents - Worksheet 2

Simplify the equations using exponents.

1             $4x \times (3x + 5x)$             =

2             $(2w \times 3w) \times 4w$             =

3             $a + a + a + a$             =

4             $9^2 \times 3 \times (3 + 3)$             =

5             $3^3 \times 4^2$             =

6             $5^4 \times 6p$             =

7             $9 + (3 \times 4)$             =

8             $(5b \times 2b) \times b^2$             =

9             $4 + 4 + 4 + 4 + 4 + 4$             =

10             $2 \times 2 \times 2 \times 2 \times 2$             =



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Topic : Simplify Equations with Exponents - Worksheet 3

Simplify the equations using exponents.

1.  $6x \times (2x + 8x) =$

2.  $(4w \times 2w) \times 6w =$

3.  $c + c + c + c =$

4.  $8^2 \times 2 \times (2 + 2) =$

5.  $5^3 \times 6^2 =$

6.  $3^4 \times 7p =$

7.  $7 + (5 \times 6) =$

8.  $(7m \times 3m) \times m^2 =$

9.  $5 + 5 + 5 + 5 + 5 + 5 =$

10.  $6 \times 6 \times 6 \times 6 \times 6 =$



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Topic : Simplify Equations with Exponents - Worksheet 4

Simplify the equations using exponents.

1.  $7x \times (3x + 5x) =$

2.  $(5w \times 2w) \times 8w =$

3.  $p + p + p + p =$

4.  $4^2 \times 8 \times (4 + 4) =$

5.  $8^2 \times 5^3 =$

6.  $8^5 \times 4p =$

7.  $9 + (4 \times 3) =$

8.  $(8q \times 2q) \times q^2 =$

9.  $6 + 6 + 6 + 6 + 6 + 6 =$

10.  $7 \times 7 \times 7 \times 7 \times 7 =$



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Topic : Simplify Equations with Exponents - Worksheet 5

Simplify the equations using exponents.

1.  $9x \times (2x + 2x) =$

2.  $(4w \times 3w) \times 9w =$

3.  $y + y + y + y =$

4.  $3^2 \times 6 \times (6 + 3) =$

5.  $9^3 \times 7^4 =$

6.  $9^7 \times 3q =$

7.  $10 + (2 \times 2) =$

8.  $(7r \times 3r) \times r^2 =$

9.  $9 + 9 + 9 + 9 + 9 + 9 =$

10.  $8 \times 8 \times 8 \times 8 \times 8 =$

