Name: _____

Date: _____

Multiply and Divide Before You Add and Subtract

Instructions: Use the Order of Operations Rules to simplify each expression. Write your answer in the space provided and be sure to show your work.

Examples

$5 + 2 \times 3 =$ __11__

$5 + 6$

11 ⟵ Multiply First

$15 \div 5 - 1 =$ __2__

Divide First ⟶ $3 - 1$

2

1 $6 + 4 \times 2 =$ ____

2 $10 \times 4 - 5 =$ ____

3 $10 - 6 \div 3 =$ ____

4 $20 - 5 \times 4 =$ ____

5 $3 \times 7 + 4 =$ ____

6 $3 + 24 \div 8 =$ ____

7 $8 + 4 \times 3 =$ ____

8 $1 + 6 \times 5 =$ ____

9 $12 \div 6 + 7 =$ ____

10 $50 - 10 \div 2 =$ ____

Name: _____

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Order of Operations: From Left To Right

Instructions: Use the Left To Right Rule to simplify each expression. Write your answer in the space provided and be sure to show your work.

1 $6 - 4 + 8 = \underline{\ 10\ }$

         $2 + 8$

          10

2 $30 \div 3 \div 5 = \underline{\ \ \ \ }$

3 $20 \div 5 \times 4 = \underline{\ \ \ \ }$

4 $38 - 9 - 4 = \underline{\ \ \ \ }$

5 $12 - 5 + 3 = \underline{\ \ \ \ }$

6 $8 + 7 - 2 = \underline{\ \ \ \ }$

7 $24 \div 3 \div 2 \times 5 = \underline{\ \ \ \ }$

8 $32 \div 4 \div 2 \times 4 = \underline{\ \ \ \ }$

9 $4 \times 6 \div 2 \times 5 = \underline{\ \ \ \ }$

10 $14 \div 2 \times 3 \div 3 = \underline{\ \ \ \ }$

11 $35 - 5 - 10 + 3 = \underline{\ \ \ \ }$

12 $43 - 5 + 6 - 10 = \underline{\ \ \ \ }$

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Order of Operations: Parentheses First

Instructions: Use the Order of Operations Rules to simplify each expression. Write your answer in the space provided and be sure to show your work.

1 $3 \times (2 + 5) =$ _21_

    3×7

      21

2 $10 \times (1 + 6) =$ ____

3 $(5 + 4) \times 2 =$ ____

4 $(15 - 4) \times 3 =$ ____

5 $25 \div (8 - 3) =$ ____

6 $(8 + 6) \div 7 =$ ____

7 $30 \div (12 - 7) \times 3 =$ ____

8 $(14 - 5) \times 6 + 3 =$ ____

9 $4 \times 6 \div (7 - 5) =$ ____

10 $28 \div (3 + 2 \times 2) =$ ____

11 $6 \times (10 - 4) + 3 =$ ____

12 $(12 - 3) \div (7 - 4) =$ ____

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Simplify Exponents Before Other Arithmetic

Instructions: Use the Order of Operations Rules to simplify each expression. Write your answer in the space provided and be sure to show your work.

1 $1 + 3^2 = \underline{\ 10\ }$
$1 + 9$
$\ \ 10$

2 $4^2 \div 2 = \underline{\ \ \ \ }$

3 $15 - 2^3 + 3 = \underline{\ \ \ \ }$

4 $5 + 4^2 = \underline{\ \ \ \ }$

5 $2^2 \times 5 + 4^2 = \underline{\ \ \ \ }$

6 $3 \times 2^2 - 4 = \underline{\ \ \ \ }$

7 $2^3 \div 4 - 1 = \underline{\ \ \ \ }$

8 $11 \times 3 - 5^2 = \underline{\ \ \ \ }$

9 $5^2 - 3^2 = \underline{\ \ \ \ }$

10 $1^5 + 2^3 \div 4 = \underline{\ \ \ \ }$

11 $6^2 + 4 = \underline{\ \ \ \ }$

12 $10^2 - 99 = \underline{\ \ \ \ }$

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Order Of Operations Practice

Instructions: Use the Order of Operations Rules to simplify each expression. Write your answer in the space provided and be sure to show your work.

1 $2 \times (4^2 - 4) =$ __24__
       $2 \times (16 - 4)$
        2×12
         24

2 $14 - (3 + 5) \div 2^2 =$ ____

3 $(1 + 3^2) \times 5 =$ ____

4 $7 \times (7 - 1) + 3 =$ ____

5 $40 \div (12 - 7) =$ ____

6 $7^2 - (5 + 24) =$ ____

7 $2^3 + 30 \div (7 + 3) =$ ____

8 $(3^2 \times 3) - (2 + 5^2) =$ ____

9 $(24 + 6) \div (14 - 4 \times 2) =$ ____

10 $[20 - (3 + 4) \times 2] + 5 =$ ____

11 $6^2 - (11 + 3) \times 2 =$ ____

12 $[2^3 + (15 - 7)] \div 8 =$ ____

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