math Antics Worksheets

Name: _____

Date: _____

Multiply and Divide Before You Add and Subtract

A-OPS 1

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 $6 + 4 \times 2 =$ 14

6 + 8

14

2 $10 \times 4 - 5 =$ 35

40 - 5

35

3 $10 - 6 \div 3 =$ 8

10 - 2

8

4 $20 - 5 \times 4 =$ 0

20 - 20

0

5 $3 \times 7 + 4 =$ 25

21 + 4

25

6 $3 + 24 \div 8 =$ 6

3 + 3

6

7 $8 + 4 \times 3 =$ 20

8 + 12

20

8 $1 + 6 \times 5 =$ 31

1 + 30

31

9 $12 \div 6 + 7 =$ 9

2 + 7

9

10 $50 - 10 \div 2 =$ 45

50 - 5

45

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Order of Operations: From Left To Right

A-OPS 2

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 $6 - 4 + 8 =$ 10

2 + 8

10

2 $30 \div 3 \div 5 =$ 2

10 ÷ 5

2

3 $20 \div 5 \times 4 =$ 16

4 x 4

16

4 $38 - 9 - 4 =$ 25

29 - 4

25

5 $12 - 5 + 3 =$ 10

7 + 3

10

6 $8 + 7 - 2 =$ 13

15 - 2

13

7 $24 \div 3 \div 2 \times 5 =$ 20

8 ÷ 2 x 5

4 x 5

20

8 $32 \div 4 \div 2 \times 4 =$ 16

8 ÷ 2 x 4

4 x 4

16

9 $4 \times 6 \div 2 \times 5 =$ 60

24 ÷ 2 x 5

12 x 5

60

10 $14 \div 2 \times 3 \div 3 =$ 7

7 x 3 ÷ 3

21 ÷ 3

7

11 $35 - 5 - 10 + 3 =$ 23

30 - 10 + 3

20 + 3

23

12 $43 - 5 + 6 - 10 =$ 34

38 + 6 - 10

44 - 10

34

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Order of Operations: Parentheses First

A-OPS 3

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 $10 \times (1 + 6) =$ 70

10 × 7

70

3 $(5 + 4) \times 2 =$ 18

9 × 2

18

4 $(15 - 4) \times 3 =$ 33

11 × 3

33

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

25 ÷ 5

5

6 $(8 + 6) \div 7 =$ 2

14 ÷ 7

2

7 $30 \div (12 - 7) \times 3 =$ 18

30 ÷ 5 × 3

6 × 3

18

8 $(14 - 5) \times 6 + 3 =$ 57

9 × 6 + 3

54 + 3

57

9 $4 \times 6 \div (7 - 5) =$ 12

4 × 6 ÷ 2

24 ÷ 2

12

10 $28 \div (3 + 2 \times 2) =$ 4

28 ÷ (3 + 4)

28 ÷ 7

4

11 $6 \times (10 - 4) + 3 =$ 39

6 × 6 + 3

36 + 3

39

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

9 ÷ 3

3

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Simplify Exponents Before Other Arithmetic

A-OPS 4

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 $1 + 3^2 =$ 10

1 + 9
10

2 $4^2 \div 2 =$ 8

16 ÷ 2
8

3 $15 - 2^3 + 3 =$ 10

15 - 8 + 3
7 + 3
10

4 $5 + 4^2 =$ 21

5 + 16
21

5 $2^2 \times 5 + 4^2 =$ 36

4 x 5 + 16
20 + 16
36

6 $3 \times 2^2 - 4 =$ 8

3 x 4 - 4
12 - 4
8

7 $2^3 \div 4 - 1 =$ 1

8 ÷ 4 - 1
2 - 1
1

8 $11 \times 3 - 5^2 =$ 8

11 x 3 - 25
33 - 25
8

9 $5^2 - 3^2 =$ 16

25 - 9
16

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

1 + 8 ÷ 4
1 + 2
3

11 $6^2 + 4 =$ 40

36 + 4
40

12 $10^2 - 99 =$ 1

100 - 99
1

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Order Of Operations Practice

A-OPS 5

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 $14 - (3 + 5) \div 2^2 =$ 12

$14 - 8 \div 2^2$
$14 - 8 \div 4$
$14 - 2$
12

3 $(1 + 3^2) \times 5 =$ 50

$(1 + 9) \times 5$
10×5
50

4 $7 \times (7 - 1) + 3 =$ 45

$7 \times 6 + 3$
$42 + 3$
45

5 $40 \div (12 - 7) =$ 8

$40 \div 5$
8

6 $7^2 - (5 + 24) =$ 20

$7^2 - 29$
$49 - 29$
20

7 $2^3 + 30 \div (7 + 3) =$ 11

$2^3 + 30 \div 10$
$8 + 30 \div 10$
$8 + 3$
11

8 $(3^2 \times 3) - (2 + 5^2) =$ 0

$(9 \times 3) - (2 + 25)$
$27 - 27$
0

9 $(24 + 6) \div (14 - 4 \times 2) =$ 5

$30 \div (14 - 8)$
$30 \div 6$
5

10 $[20 - (3 + 4) \times 2] + 5 =$ 11

$[20 - (7) \times 2] + 5$
$[20 - 14] + 5$
$[6] + 5$
11

11 $6^2 - (11 + 3) \times 2 =$ 8

$6^2 - 14 \times 2$
$36 - 14 \times 2$
$36 - 28$
8

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

$[2^3 + 8] \div 8$
$[8 + 8] \div 8$
$16 \div 8$
2