MFM 1PI

BEDMAS with Integers

Name:_____

Find the answer:

Level 1:

Level 2

$-8 - -9 =$	$12 - -2 =$	$50 \div -5 =$
$-4 - 11 =$	$1 - 11 =$	$8 \times -1 =$
$9 + 3 =$	$5 \times -5 =$	$2 - 4 =$
$-9 - 6 =$	$4 \times 3 =$	$2 + 7 =$
$30 \div -6 =$	$-2 + -1 =$	$-6 + -11 =$
$5 + 9 =$	$7 + -12 =$	$-11 + -3 =$
$-12 - 10 =$	$11 - 7 =$	$5 \times 7 =$
$48 \div -12 =$	$-9 + 10 =$	$-9 + 2 =$
$9 \times 6 =$	$-5 - -1 =$	$6 \times -12 =$
$100 \div 10 =$	$12 \div -4 =$	$8 \times 4 =$

Level 3:

Order of Operations (A)

Perform the operations in the correct order.

1. $2 \times 5 - 7$

2. $9 \times (3 + (-1))$

3. $-8 - 5 + (-5)$

4. $-3 + 6 + (-9)$

6. $5 \div (-1)^4$

7. $(-1)^{(-2)\times(-8)}$

8. $-10 - 2 \div (-2)$

9. $-4 + (-9) \div (-1)$

11. $8 \div 2 - (-3)$

12. $4 \times (-1)^2$

13. $9 + 2 - (-5)$

14. $1 \times 1 + (-9)$

Level 4:

Order of Operations (A)

Perform the operations in the correct order.

1. $\left((10 \div (-10))^{7}\right)^{2}$

2. $2 \times (-6) \div ((-6) \times 2)$

3. $(6 - (-10)) \div (4 \div (-2))$

4. $(2 + 1) \times 6 \div (-9)$

6. $9 - (10 \div (-2) - 5)$

7. $(-1)^{3} \times (8 - (-2))$

8. $5 + (-7) - (-3) + 2$

9. $(-10) \times (-1) - (-8) \div 4$

Level 5:

Order of Operations (G)

Perform the operations in the correct order.

1. $5-(-5-(-7)+6-1)$

2. $(-8-6)\div 2+8+(-10)$

3. $(-9)\div(-1)^{(-2)^2\div 2}$

4. $4\div 4\times 9-6\div(-6)$

6. $(-4)\times(-3)+(-7)+8-2$

7. $(-3)\times(-7+6)-(2-(-7))$

8. $-10+6+(-3)+(-7)\div(-1)$

9. $-6-(-1)^{-9+5\times 4}$

Level 6:

1. $\left(-2+9+(-9)\div(-1)^{10}\right)^2$

2. $(6-(-4))\div 10-(-10+10)\div 10$

3. $(-1)^{(-4)^2}+(-4)+(-3)\div 3$

4. $(4-(-6))\div(-10)\times(-3)\times(1-5)$

5. $(-8-(-4))\div((-4)\times 1\div((-2)\times 2))$

Answers:

Level 1

(-5) + (-4) = (-9)	(-4) × (-7) = (+28)	(+6) - (-2) = (+8)
(-3) + (+1) = (-2)	(-18) ÷ (-6) = (+3)	(-1) × (+5) = (-5)
(-2) × (-7) = (+14)	(+8) × (+3) = (+24)	(+9) + (-3) = (+6)
(+3) × (-1) = (-3)	(-4) - (-1) = (-3)	(+6) + (-5) = (+1)
(-3) + (+9) = (+6)	(-5) × (+3) = (-15)	(-3) ÷ (+3) = (-1)
(-3) × (+3) = (-9)	(-3) + (-6) = (-9)	(+8) + (-9) = (-1)
(-5) × (+5) = (-25)	(-8) - (+6) = (-14)	(-7) - (-3) = (-4)
(+1) - (-9) = (+10)	(+8) × (+4) = (+32)	(-4) + (-5) = (-9)
(+8) - (-2) = (+10)	(-9) + (-4) = (-13)	(+6) × (+3) = (+18)
(-7) - (+2) = (-9)	(+2) × (-4) = (-8)	(+3) + (-8) = (-5)

Level 2

-8 - -9 = 1	12 - -2 = 14	50 ÷ -5 = -10
-4 - 11 = -15	1 - 11 = -10	8 × -1 = -8
9 + 3 = 12	5 × -5 = -25	2 - 4 = -2
-9 - 6 = -15	4 × 3 = 12	2 + 7 = 9
30 ÷ -6 = -5	-2 + -1 = -3	-6 + -11 = -17
5 + 9 = 14	7 + -12 = -5	-11 + -3 = -14
-12 - 10 = -22	11 - 7 = 4	5 × 7 = 35
48 ÷ -12 = -4	-9 + 10 = 1	-9 + 2 = -7
9 × 6 = 54	-5 - -1 = -4	6 × -12 = -72
100 ÷ 10 = 10	12 ÷ -4 = -3	8 × 4 = 32

Level 3

1. $2 \times 5 - 7$
   $= 3$
2. $9 \times (3 + (-1))$
   $= 18$
3. $-8 - 5 + (-5)$
   $= -18$
4. $-3 + 6 + (-9)$
   $= -6$
5. $(-5) \times (-1) - (-1)$
   $= 6$
6. $5 \div (-1)^4$
   $= 5$
7. $(-1)^{(-2) \times (-8)}$
   $= 1$
8. $-10 - 2 \div (-2)$
   $= -9$
9. $-4 + (-9) \div (-1)$
   $= 5$
10. $(7 + (-4)) \div (-3)$
    $= -1$
11. $8 \div 2 - (-3)$
    $= 7$
12. $4 \times (-1)^2$
    $= 4$
13. $9 + 2 - (-5)$
    $= 16$
14. $1 \times 1 + (-9)$
    $= -8$
15. $-1 - (-9 + (-3))$
    $= 11$

Level 4

1. $\left((10 \div (-10))^7\right)^2$
   $= 1$
2. $2 \times (-6) \div ((-6) \times 2)$
   $= 1$
3. $(6 - (-10)) \div (4 \div (-2))$
   $= -8$
4. $(2 + 1) \times 6 \div (-9)$
   $= -2$
5. $(-2) \div 2 \div (1 \div (-1))$
   $= 1$
6. $9 - (10 \div (-2) - 5)$
   $= 19$
7. $(-1)^3 \times (8 - (-2))$
   $= -10$
8. $5 + (-7) - (-3) + 2$
   $= 3$
9. $(-10) \times (-1) - (-8) \div 4$
   $= 12$
10. $1 \times (-3) \times (-3 + 2)$
    $= 3$

Level 5

Level 6