

Name _____

Date _____

Order of Operations Problems

Simplify each of the following.

1) $5 + 2 \cdot 3 =$

2) $2 + 3 \cdot 2 - 5 =$

3) $3 \cdot 4 - 4 \div 2 =$

4) $4(3 - 1) =$

5) $2(5 + 1) - 6 \div 2 =$

6) $\frac{7+8}{5-2} =$

7) $3(8 - 2) \div 2(9 - 6) =$

8) $5(9 - 4) - 12 \div 3(4 - 2) =$

9) $4[3 + 2(4 - 2) + 1] + 2(7 - 4) \div 3 =$

10) $2[4 + 8 \div 2(5 - 3)] - 2(8 - 5) =$

Name Key

Date _____

Order of Operations Problems

Simplify each of the following.

P
E
MD
AS

1) $5 + 2 \cdot 3 =$
 $5 + 6 = 11$

2) $2 + 3 \cdot 2 - 5 =$
 $2 + 6 - 5 = 3$

3) $3 \cdot 4 - 4 \div 2 =$
 $12 - 2 = 10$

4) $4(3 - 1) =$
 $4(2)$
 $4 \cdot 2 = 8$

5) $2(5 + 1) - 6 \div 2 =$
 $2(6) - 6 \div 2$
 $2 \cdot 6 - 6 \div 2$
 $12 - 3 = 9$

6) $\frac{7+8}{5-2} =$
 $(7+8) \div (5-2)$
 $(15) \div (3)$
 $15 \div 3 = 5$

7) $3(8 - 2) \div 2(9 - 6) =$
 $3(6) \div 2(3)$
 $3 \cdot 6 \div 2 \cdot 3 = 27$

8) $5(9 - 4) - 12 \div 3(4 - 2) =$
 $5(5) - 12 \div 3(2)$
 $25 - 4 \cdot 2$
 $25 - 8 = 17$

** Remember: Multi/Div from left to right

9) $4[3 + 2(4 - 2) + 1] + 2(7 - 4) \div 3 =$
 $4[3 + 2(2) + 1] + 2(7 - 4) \div 3$
 $4[3 + 4 + 1] + 2(7 - 4) \div 3$
 $4[8] + 2(3) \div 3$
 $32 + 6 \div 3$
 $32 + 2 = 34$

10) $2[4 + 8 \div 2(5 - 3)] - 2(8 - 5) =$
 $2[4 + 8 \div 2(2)] - 2(8 - 5)$
 $2[4 + 8 \div 2 \cdot 2] - 2(8 - 5)$
 $2[4 + 4 \cdot 2] - 2(8 - 5)$
 $2[4 + 8] - 2(8 - 5)$
 $2(12) - 2(3)$
 $24 - 6 = 18$

(

3

=10

4

)

2

+

X

2

4

-

Order of Ops Challenge (There are at least three different solutions. I gave answers for only 2 of them See if you can find more)
Cut out the squares and arrange them using order of operations to make them equal to 10.

(

3

=10

4

)

2

+

x

2

4

-

Order of Ops Challenge Answers

Solution 1

$$3 \quad (\quad 2 \quad + \quad 4 \quad) \quad - \quad 2 \quad \times \quad 4 \quad = 10$$

Solution 2

$$2 \quad (\quad 4 \quad - \quad 3 \quad) \quad + \quad 4 \quad \times \quad 2 \quad = 10$$

There is **at least** one more solution. Did you find any more?