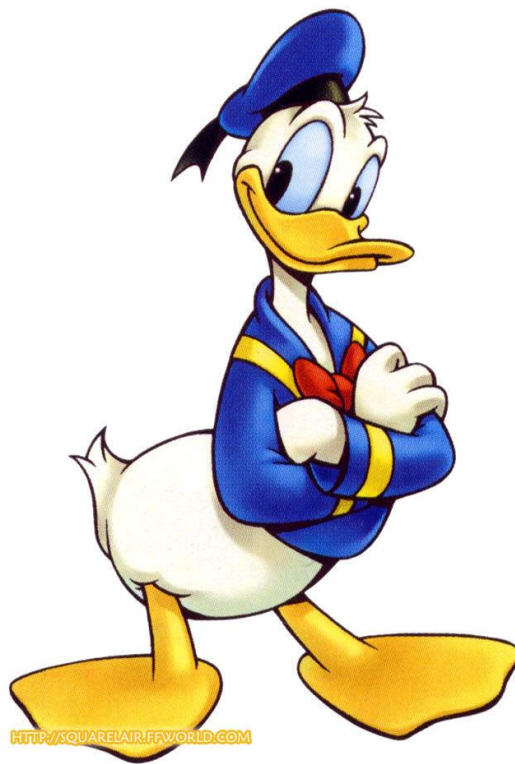


# Order of Operations Practice Worksheets Packet of Fun



Practice WS (1)

Evaluate the expression using order of operations. [PE MD AS]

1.  $2[3(4 \div 2) + 6] - 5$

2.  $3 \cdot 8 \div 2 - 9 \div 3$

3.  $3 + [(4 - 1) \cdot 5]$

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

5.  $8 \cdot 3 \div (4 + 3^2 - 1)$

6.  $10(3 + 1) - 16$

7.  $8 + [(84 \div 12) - 4]^2 - 7 + 3$

8.  $23 - [(45 \div 15)^3 \div 9]^2$

9.  $5^2 + 2(5) + 1$

10.  $13 + (3 \cdot 2)^2 - 8$

11.  $16 - 6^2 \div 12$

12.  $18 + 6 \div 2 - 7(2)$

In 13 – 15, evaluate each expression for the given values. Let  $r = 8$  and  $m = -9$ .

13.  $(r + m) - 10$

14.  $r^2 + m$

15.  $\frac{9r}{m}$

In 16 – 18, evaluate each expression for the given values. Let  $a = -5$ ,  $b = 8$  and  $c = -9$ .

16.  $c^2 - b^2$

17.  $\frac{b \cdot c}{a^2 + 11}$

18.  $(8 + b) - c$

Practice WS (2)

Evaluate the expression using order of operations. [PE MD AS]

1.  $3 - [(4 \div 2) + 1]$

2.  $3 \cdot 7 + [9 - (18 \div 6)]$

3.  $\frac{3(5)}{(8-7) \cdot 3}$

4.  $[(4+16) \div 5] - 2$

5.  $4 + 21 \div 3 - 3^2$

6.  $\frac{9 - 1 \cdot 7}{2}$

7.  $\frac{6 + 2^2}{17 - 6 \cdot 2}$

8.  $\frac{15 - 3(2)}{3}$

9.  $(3^3 + 3 - 7) - 20$

In 10 – 12, evaluate each expression for the given values. Let  $r = -4$  and  $m = 10$ .

10.  $(r + m) - 10$

11.  $r + m^2$

12.  $\frac{5r}{m}$

In 13 – 15, evaluate each expression for the given values. Let  $a = -3$ ,  $b = 9$  and  $c = -2$ .

13.  $c^2 - b^2$

14.  $\frac{b \cdot c}{a^2 + 9}$

15.  $(8 + b) - c$

### Order of Operations & Evaluate Quick Quiz Review

Use order of operations to simplify each expression.

1.  $(10 \div 5) - (27 \div (-3))$

2.  $-3[2(3+4)]$

3.  $(-4\sqrt{18 \cdot 2}) \div 8$

4.  $\frac{19-9}{-3 \cdot 2 + 1}$

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

6.  $9 \cdot 4 \div 6 + 5$

7.  $2 + [(14 - 10) \cdot 5]$

8.  $25 + (30 \div 2) - 1^{210}$

9.  $10 \cdot 4 \div (17 - 7 + 10)$

10.  $6(9 - 5) \div 4$

11.  $5 + [(45 \div 9) - 2]^2$

12.  $11 - [(18 \div 3) + 9]$

13.  $4^2 + 3(7) - 11$

14.  $16 - (2 \cdot 2 \div 4)^2 + 1$

15.  $18 + 27 \div 9 - 4(2)$

Evaluate each expression for the indicated variable.

16.  $-10x + 3$  for  $x = -2$

17.  $|x - 3| + 8 \div 2$  for  $x = -8$

18.  $\frac{4 + x^3}{-2}$  for  $x = -2$