



# ORDER OF OPERATIONS

Name \_\_\_\_\_

Score \_\_\_\_\_

OF:47

Example 1:  $\frac{7}{9} + \left( \left( \frac{7}{5} \times \frac{5}{8} \right) \div \frac{9}{8} \right)$

$$= \frac{7}{9} + \left( \frac{7}{8} \div \frac{9}{8} \right)$$
$$= \frac{7}{9} + \frac{7}{9}$$
$$= \frac{14}{9} \text{ or } 1\frac{5}{9}$$

Example 2:  $((2.5 + 3.5) \times (-1.2)) - 4.81$

$$= (6 \times (-1.2)) - 4.81$$
$$= -7.2 - 4.81$$
$$= -12.01$$

Solve each expression.

1)  $((-2.3) \times (-4.1)) + 6.23$

\_\_\_\_\_

2)  $\frac{11}{6} \times \left( \frac{1}{2} + \left( 1\frac{1}{3} \div 7\frac{1}{3} \right) \right) - \frac{5}{2}$

\_\_\_\_\_

3)  $\left( \left( \frac{7}{8} \div \frac{7}{8} \right) + \frac{1}{4} \right) \times \left( \frac{10}{9} - \frac{4}{9} \right)$

\_\_\_\_\_

4)  $(1.69 \div 1.3) + (5.9 - (3.2 - 1.5 \times 2))$

\_\_\_\_\_

5)  $((7.8 - 1.3) + (0.25 \div 0.5)) \times 1.2$

\_\_\_\_\_

6)  $\left( \left( \frac{2}{5} \times \frac{15}{18} \right) + \frac{7}{9} \right) \div \frac{2}{9}$

\_\_\_\_\_

7)  $\frac{1}{6} + \left( \left( \left( -\frac{5}{9} \div \frac{5}{18} \right) \times \frac{1}{2} \right) - 1\frac{1}{6} \right)$

\_\_\_\_\_

8)  $3.8 \times (12.3 - (4.9 \div 7))$

\_\_\_\_\_



# ORDER OF OPERATIONS

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

OF:47

Example 1:  $\frac{7}{9} + \left( \left( \frac{7}{5} \times \frac{5}{8} \right) \div \frac{9}{8} \right)$   
 $= \frac{7}{9} + \left( \frac{7}{8} \div \frac{9}{8} \right)$   
 $= \frac{7}{9} + \frac{7}{9}$   
 $= \frac{14}{9} \text{ or } 1\frac{5}{9}$

Example 2:  $((2.5 + 3.5) \times (-1.2)) - 4.81$   
 $= (6 \times (-1.2)) - 4.81$   
 $= -7.2 - 4.81$   
 $= -12.01$

Solve each expression.

1)  $((-2.3) \times (-4.1)) + 6.23$

15.66

2)  $\frac{11}{6} \times \left( \frac{1}{2} + \left( 1\frac{1}{3} \div 7\frac{1}{3} \right) \right) - \frac{5}{2}$

$-1\frac{1}{4}$

3)  $\left( \left( \frac{7}{8} \div \frac{7}{8} \right) + \frac{1}{4} \right) \times \left( \frac{10}{9} - \frac{4}{9} \right)$

$\frac{5}{6}$

4)  $(1.69 \div 1.3) + (5.9 - (3.2 - 1.5 \times 2))$

7

5)  $((7.8 - 1.3) + (0.25 \div 0.5)) \times 1.2$

8.4

6)  $\left( \left( \frac{2}{5} \times \frac{15}{18} \right) + \frac{7}{9} \right) \div \frac{2}{9}$

5

7)  $\frac{1}{6} + \left( \left( \left( -\frac{5}{9} \div \frac{5}{18} \right) \times \frac{1}{2} \right) - 1\frac{1}{6} \right)$

-2

8)  $3.8 \times (12.3 - (4.9 \div 7))$

44.08