



# ORDER OF OPERATIONS

Name \_\_\_\_\_

Score \_\_\_\_\_

OF:41

Example 1:  $\frac{7}{2} \div \left(2\frac{1}{4} - \frac{1}{2}\right)$

$$= \frac{7}{2} \div \frac{7}{4}$$
$$= \mathbf{2}$$

Example 2:  $(1.7 + 13.3) \times 5.4$

$$= 15 \times 5.4$$
$$= \mathbf{81}$$

Solve each expression.

1)  $-\frac{4}{5} \times \left(\frac{5}{2} \div \frac{2}{5}\right) + \frac{1}{5}$

\_\_\_\_\_

2)  $\left(\frac{9}{7} \div \frac{3}{7}\right) + \frac{1}{2} - \left(4\frac{1}{2} \times 2\right)$

\_\_\_\_\_

3)  $-12.3 \div (3 \times 0.1) - 11.4$

\_\_\_\_\_

4)  $11 + 36 \times (2.7 \div 0.9)$

\_\_\_\_\_

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

\_\_\_\_\_

6)  $2\frac{4}{5} - \left(\frac{8}{5} + \frac{4}{5}\right)$

\_\_\_\_\_

7)  $(-1.2) \div (-0.4) - 12.6 + 18.2$

\_\_\_\_\_

8)  $17.9 + (-2.3 - 16.7)$

\_\_\_\_\_



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## Answer key

OF:41

Example 1:  $\frac{7}{2} \div \left(2\frac{1}{4} - \frac{1}{2}\right)$   
 $= \frac{7}{2} \div \frac{7}{4}$   
 $= 2$

Example 2:  $(1.7 + 13.3) \times 5.4$   
 $= 15 \times 5.4$   
 $= 81$

Solve each expression.

1)  $-\frac{4}{5} \times \left(\frac{5}{2} \div \frac{2}{5}\right) + \frac{1}{5}$

$-4\frac{4}{5}$

2)  $\left(\frac{9}{7} \div \frac{3}{7}\right) + \frac{1}{2} - \left(4\frac{1}{2} \times 2\right)$

$-5\frac{1}{2}$

3)  $-12.3 \div (3 \times 0.1) - 11.4$

$52.4$

4)  $11 + 36 \times (2.7 \div 0.9)$

$119$

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

$1\frac{5}{18}$

6)  $2\frac{4}{5} - \left(\frac{8}{5} + \frac{4}{5}\right)$

$\frac{2}{5}$

7)  $(-1.2) \div (-0.4) - 12.6 + 18.2$

$8.6$

8)  $17.9 + (-2.3 - 16.7)$

$-1.1$