



ORDER OF OPERATIONS

Name _____

Score _____

OF:38

Example 1: $1\frac{1}{4} \times 6 - \left(\frac{1}{2}\right)^2$

$$= 1\frac{1}{4} \times 6 - \frac{1}{4}$$
$$= \frac{15}{2} - \frac{1}{4}$$
$$= \frac{29}{4} \text{ or } 7\frac{1}{4}$$

Example 2: $1.55 + 0.5^2 - 4.9 \div 7$

$$= 1.55 + 0.25 - 4.9 \div 7$$
$$= 1.55 + 0.25 - 0.7$$
$$= 1.8 - 0.7$$
$$= 1.1$$

Solve each expression.

1) $2.3^2 - 0.4^2 \div 0.02 + 1.2 \times 3.5$

2) $3.8 \times 5.6 - 1.2^2 \div 1.2$

3) $\frac{6}{7} + 2\frac{1}{4} \times \left(\frac{2}{3}\right)^2$

4) $3^2 - \frac{1}{4} + \frac{5}{2^3} \times 2$

5) $0.22 + 0.3^2 \times 0.1 - 9$

6) $7.2 \div 1.8 + 5^3$

7) $\frac{1}{8} \times \frac{8}{3} - 2^2 \div \frac{3}{2}$

8) $1\frac{1}{2} + \frac{25}{2} \times \left(\frac{2}{5}\right)^2 - 6 \div \frac{6}{5}$



ORDER OF OPERATIONS

Name _____

Score _____

Answer key

OF:38

Example 1: $1\frac{1}{4} \times 6 - \left(\frac{1}{2}\right)^2$

$$= 1\frac{1}{4} \times 6 - \frac{1}{4}$$
$$= \frac{15}{2} - \frac{1}{4}$$
$$= \frac{29}{4} \text{ or } 7\frac{1}{4}$$

Example 2: $1.55 + 0.5^2 - 4.9 \div 7$

$$= 1.55 + 0.25 - 4.9 \div 7$$
$$= 1.55 + 0.25 - 0.7$$
$$= 1.8 - 0.7$$
$$= 1.1$$

Solve each expression.

1) $2.3^2 - 0.4^2 \div 0.02 + 1.2 \times 3.5$

1.49

2) $3.8 \times 5.6 - 1.2^2 \div 1.2$

20.08

3) $\frac{6}{7} + 2\frac{1}{4} \times \left(\frac{2}{3}\right)^2$

$1\frac{6}{7}$

4) $3^2 - \frac{1}{4} + \frac{5}{2^3} \times 2$

10

5) $0.22 + 0.3^2 \times 0.1 - 9$

-8.771

6) $7.2 \div 1.8 + 5^3$

129

7) $\frac{1}{8} \times \frac{8}{3} - 2^2 \div \frac{3}{2}$

$-2\frac{1}{3}$

8) $1\frac{1}{2} + \frac{25}{2} \times \left(\frac{2}{5}\right)^2 - 6 \div \frac{6}{5}$

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