



ORDER OF OPERATIONS

Name _____

Score _____

OF:39

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) $6^2 \div 3.6 + 28.13 - 44.13$

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

3) $0.7 - 3^2 \div 0.9$

4) $4 \times \left(\frac{1}{2}\right)^2 - 3\frac{2}{3} \div \frac{11}{9} + 11$

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

6) $1.8 \div 0.06 + 2^3 \times 2.4 - 19.8$

7) $\frac{2}{9} + \frac{5}{3^2} \div 2\frac{1}{2}$

8) $0.2^3 - 18.3 + 22.5 \div 1.5$



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Answer key

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$$= 1.55 + 0.25 - 4.9 \div 7$$
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Solve each expression.

1) $6^2 \div 3.6 + 28.13 - 44.13$

-6

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

$-\frac{2}{5}$

3) $0.7 - 3^2 \div 0.9$

-9.3

4) $4 \times \left(\frac{1}{2}\right)^2 - 3\frac{2}{3} \div \frac{11}{9} + 11$

9

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

-1

6) $1.8 \div 0.06 + 2^3 \times 2.4 - 19.8$

29.4

7) $\frac{2}{9} + \frac{5}{3^2} \div 2\frac{1}{2}$

$\frac{4}{9}$

8) $0.2^3 - 18.3 + 22.5 \div 1.5$

-3.292