

Name:

PEMDAS Worksheet

Solve each expression.

1) $\left\{ \frac{3}{4} + \left[\frac{6}{5} \times \left(\frac{5}{2} \right)^2 \right] \right\} - \frac{1}{4}$

2) $2.3 + (1.5 - 0.8) \times (4.5 \div 0.5)$

3) $(46 - 2 \times [15 - 14 + (8^2 - 7^2)]) + 3$

4) $\frac{4}{9} \div \left(\frac{1}{7} \times \frac{7}{9} + \frac{11}{3^2} \right)$

5) $\left(\frac{7}{8} - \frac{5}{8} \right)^2 \times \left[\left(-\frac{7}{12} \right) \div \frac{7}{16} \right]$

6) $\left\{ \left[\left(-\frac{5}{2} \right)^3 \div \frac{25}{8} \right] + \frac{1}{2} \right\} - \frac{1}{3}$

7) $[(6.2 + 9.1^2) \times (0.5 - 0.5^2)] \div 2.5$

8) $\left[\left(\frac{2}{3} \times \frac{9}{8} \right) + \frac{3}{2} \right] - \frac{3}{4} + \frac{3}{2}$

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Answers

$$1) \left\{ \frac{3}{4} + \left[\frac{6}{5} \times \left(\frac{5}{2} \right)^2 \right] \right\} - \frac{1}{4}$$

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$$2) 2.3 + (1.5 - 0.8) \times (4.5 \div 0.5)$$

8.6

$$3) (46 - 2 \times [15 - 14 + (8^2 - 7^2)]) + 3$$

17

$$4) \frac{4}{9} \div \left(\frac{1}{7} \times \frac{7}{9} + \frac{11}{3^2} \right)$$

3

$$5) \left(\frac{7}{8} - \frac{5}{8} \right)^2 \times \left[\left(-\frac{7}{12} \right) \div \frac{7}{16} \right]$$

$$6) \left\{ \left[\left(-\frac{5}{2} \right)^3 \div \frac{25}{8} \right] + \frac{1}{2} \right\} - \frac{1}{3}$$

$-\frac{1}{12}$

$-4\frac{5}{6}$

$$7) [(6.2 + 9.1^2) \times (0.5 - 0.5^2)] \div 2.5$$

$$8) \left[\left(\frac{2}{3} \times \frac{9}{8} \right) + \frac{3}{2} \right] - \frac{3}{4} + \frac{3}{2}$$

8.901

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