ORDER OF OPERATIONS

Name _____

Score _____

Example 1: $\dfrac{1}{3} + 3 \div \dfrac{9}{7} \times 1\dfrac{1}{2}$

$= \dfrac{1}{3} + \dfrac{7}{3} \times 1\dfrac{1}{2}$

$= \dfrac{1}{3} + \dfrac{7}{2}$

$= \dfrac{23}{6}$ **or** $3\dfrac{5}{6}$

Example 2: $48.8 \div 0.8 - 33.3 + 1.9$

$= 61 - 33.3 + 1.9$

$= 27.7 + 1.9$

$= 29.6$

Solve each expression.

1) $\dfrac{7}{3} - 2\dfrac{2}{3} \div \dfrac{8}{3} + \dfrac{8}{3}$

_____

2) $\dfrac{4}{7} + 9 \div \dfrac{9}{4} - 5 \times \dfrac{1}{7}$

_____

3) $1.8 + 3.6 - 16.8 \div 1.2 + 17.6$

_____

4) $1.4 \times 5.2 - 32 \div 1.6$

_____

5) $\dfrac{4}{5} \times \dfrac{1}{2} + \dfrac{2}{8} - \dfrac{7}{4}$

_____

6) $\dfrac{1}{5} \div \dfrac{1}{4} \times \dfrac{1}{2}$

_____

7) $4.9 \div 0.7 - 0.2 + 5.3$

_____

8) $6.8 - 2.3 \times 1.1$

_____

ORDER OF OPERATIONS

Name _____

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Answer key

Example 1: $\dfrac{1}{3} + 3 \div \dfrac{9}{7} \times 1\dfrac{1}{2}$

$= \dfrac{1}{3} + \dfrac{7}{3} \times 1\dfrac{1}{2}$

$= \dfrac{1}{3} + \dfrac{7}{2}$

$= \dfrac{\mathbf{23}}{\mathbf{6}} \textbf{ or } 3\dfrac{5}{6}$

Example 2: $48.8 \div 0.8 - 33.3 + 1.9$

$= 61 - 33.3 + 1.9$

$= 27.7 + 1.9$

$= \mathbf{29.6}$

Solve each expression.

1) $\dfrac{7}{3} - 2\dfrac{2}{3} \div \dfrac{8}{3} + \dfrac{8}{3}$

4
_____

2) $\dfrac{4}{7} + 9 \div \dfrac{9}{4} - 5 \times \dfrac{1}{7}$

$3\dfrac{\mathbf{6}}{\mathbf{7}}$
_____

3) $1.8 + 3.6 - 16.8 \div 1.2 + 17.6$

9
_____

4) $1.4 \times 5.2 - 32 \div 1.6$

−12.72
_____

5) $\dfrac{4}{5} \times \dfrac{1}{2} + \dfrac{2}{8} - \dfrac{7}{4}$

$\mathbf{-1}\dfrac{\mathbf{1}}{\mathbf{10}}$
_____

6) $\dfrac{1}{5} \div \dfrac{1}{4} \times \dfrac{1}{2}$

$\dfrac{\mathbf{2}}{\mathbf{5}}$
_____

7) $4.9 \div 0.7 - 0.2 + 5.3$

12.1
_____

8) $6.8 - 2.3 \times 1.1$

4.27
_____

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