

# Order of Operations Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Question 1

Solve the equations

I.  $9 + 72 + 143 =$

IV.  $75 - 34 - 20 - 45 =$

II.  $88 - 44 + 21 \cdot 35 =$

V.  $|(5.5 \cdot 2[11(55 + 66)])| =$

III.  $-45 \div 15 \cdot -3 =$

VI. 
$$\frac{12 + 45 + 33 + 77}{4} =$$

# Order of Operations Practice

VII.  $48 \div 12 - 4 + 7 =$

X.  $2(8 + 7 - 12) =$

VIII.  $3\frac{1}{16} + 5\frac{1}{16} + 7\frac{1}{16} =$

XI. 
$$\frac{\frac{6}{7} + \frac{4}{7} + \frac{4}{7}}{132 - |(40 - 45)^3|} =$$

IX.  $\frac{2}{3} \cdot \frac{5}{6} + \frac{7}{16} =$

XII.  $1 + \frac{4}{5} \cdot 3 - \frac{11}{18} =$

# Order of Operations Practice

Name: \_\_\_\_\_ **Key** \_\_\_\_\_

Date: \_\_\_\_\_

## Question 1

Solve the equations

I.  $9 + 72 + 143 = 224$

$$\begin{array}{r} 9. \\ 72. \\ + 143. \\ \hline 224. \end{array}$$

Diagram showing the addition of 9, 72, and 143 to get 224. Step #1: 9 + 72 = 81. Step #2: 81 + 143 = 224.

IV.  $75 - 34 - 20 - 45 = -24$

$$\begin{array}{r} 75. \\ 34. \\ 20. \\ - 45. \\ \hline -24. \end{array}$$

Diagram showing the subtraction of 34, 20, and 45 from 75 to get -24. Step #1: 75 - 34 = 41. Step #2: 41 - 20 = 21. Step #3: 21 - 45 = -24.

II.  $88 - 44 + 21 \cdot 35 = 779$

$$\begin{array}{r} \boxed{\phantom{00}} \\ \#2 \mid - \\ 44 \\ \hline \end{array} \quad \begin{array}{r} \boxed{\phantom{00}} \\ \#1 \mid \times \\ 735 \\ \hline \end{array}$$

Diagram showing the calculation of 88 - 44 + 21 \* 35 = 779. Step #1: 21 \* 35 = 735. Step #2: 88 - 44 = 44. Step #3: 44 + 735 = 779.

V.  $| \{ 5.5 \cdot 2 [ 11 ( 55 + 66 ) ] \} | = 14,641$

$$\begin{array}{r} \boxed{\phantom{00}} \\ \#3 \mid \times \\ 11 \\ \hline \end{array} \quad \begin{array}{r} \boxed{\phantom{00}} \\ \#1 \mid + \\ 121 \\ \hline \end{array}$$

Diagram showing the calculation of |{5.5 \* 2 [11 (55 + 66)]}| = 14,641. Step #1: 55 + 66 = 121. Step #2: 121 \* 11 = 1,331. Step #3: 1,331 \* 2 = 2,662. Step #4: 2,662 \* 5.5 = 14,641. Step #5: abs. value of 14,641 = 14,641.

III.  $-45 \div 15 \cdot -3 = 9$

$$\begin{array}{r} \boxed{\phantom{00}} \\ \#1 \mid \div \\ -3 \\ \hline \end{array}$$

Diagram showing the calculation of -45 ÷ 15 \* -3 = 9. Step #1: -45 ÷ 15 = -3. Step #2: -3 \* -3 = 9.

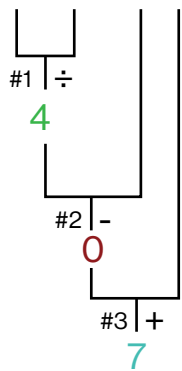
VI.  $\frac{12 + 45 + 33 + 77}{4} = 41.75$

$$\begin{array}{r} \boxed{\phantom{00}} \\ \#3 \mid + \\ 90 \\ \hline \end{array} \quad \begin{array}{r} \boxed{\phantom{00}} \\ \#2 \mid + \\ 57 \\ \hline \end{array}$$

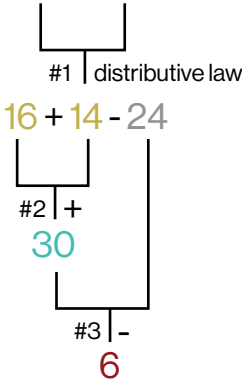
Diagram showing the calculation of (12 + 45 + 33 + 77) / 4 = 41.75. Step #1: 12 + 45 = 57. Step #2: 57 + 33 = 90. Step #3: 90 + 77 = 167. Step #4: 167 / 4 = 41.75.

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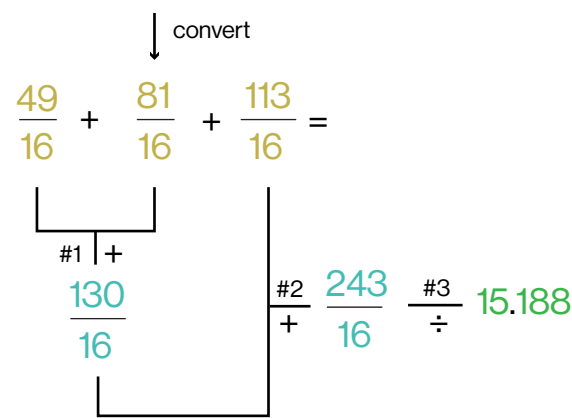
VII.  $48 \div 12 - 4 + 7 = 7$



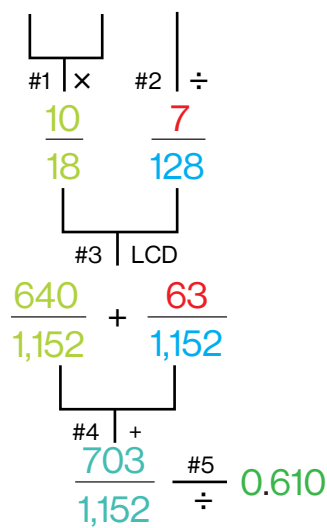
X.  $2(8 + 7 - 12) = 6$



VIII.  $3\frac{1}{16} + 5\frac{1}{16} + 7\frac{1}{16} = 15.188$



IX.  $\frac{2}{3} \cdot \frac{5}{6} + \frac{8}{16} = 0.610$



XII.  $1 + \frac{4}{5} \cdot 3 - \frac{11}{18} = 2.789$

