

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

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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

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

$$\begin{array}{r} \boxed{} \quad \boxed{} \\ \#2 \mid - \quad \#1 \mid \times \\ 44 \quad 735 \\ \#3 \mid + \\ 779 \end{array}$$

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

$$\begin{array}{r} \boxed{} \quad \boxed{} \\ \#3 \mid \times \quad \#1 \mid + \\ 11 \quad 121 \\ \#2 \mid \times \\ 1,331 \\ \#4 \mid \times \\ 14,641 \\ \#5 \mid \text{abs. value} \\ 14,641 \end{array}$$

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: Absolute value of 14,641 is 14,641.

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

$$\begin{array}{r} \boxed{} \\ \#1 \mid \div \\ -3 \\ \#2 \mid \times \\ 9 \end{array}$$

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

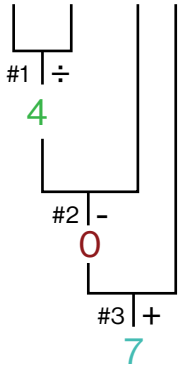
VI. $\frac{12 + 45 + 33 + 77}{4} = 41.75$

$$\begin{array}{r} \boxed{} \\ \#3 \mid + \\ 90 \\ \#2 \mid + \\ 57 \\ \#1 \mid + \\ 12 + 45 + 33 + 77 = \\ 4 \end{array}$$

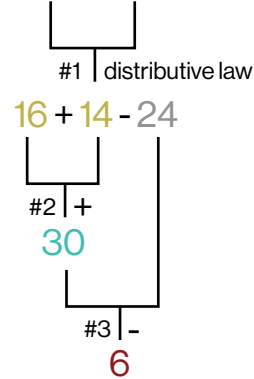
Diagram showing the calculation of (12 + 45 + 33 + 77) / 4 = 41.75. Step #1: 12 + 45 = 57. Step #2: 57 + 33 = 90. Step #3: 90 + 77 = 167. Step #4: 167 / 4 = 41.75.

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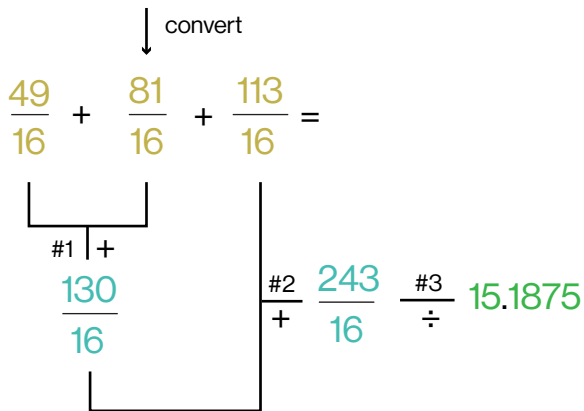
VII. $48 \div 12 - 4 + 7 = 7$



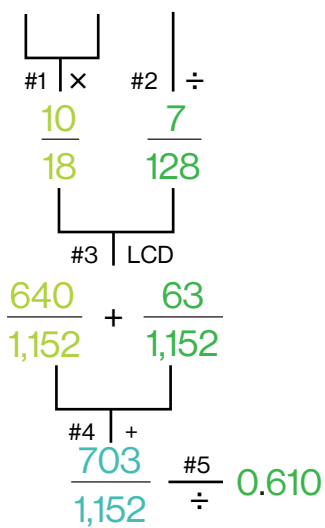
X. $2(8 + 7 - 12) = 6$



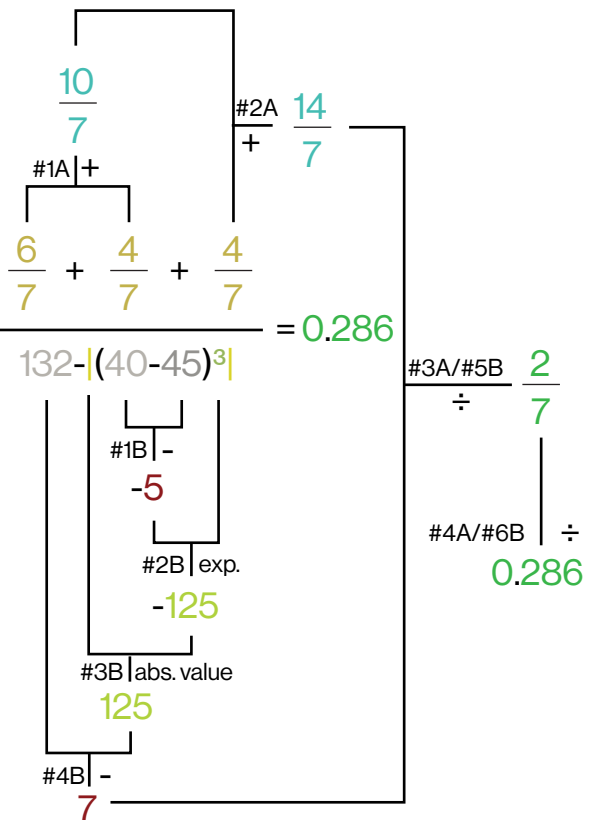
VIII. $3\frac{1}{16} + 5\frac{1}{16} + 7\frac{1}{16} = 15.1875$



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



XI. $\frac{\frac{6}{7} + \frac{4}{7} + \frac{4}{7}}{132 - |(40 - 45)^3|} = 0.286$



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

