

Order of Operations

1. ()	2. _____ / _____	3. addition / subtraction
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1. Multiply in any order. Try to find the easiest order, of course.

a. $6 \times 5 \times 7 =$ $5 \times 8 \times 50 =$	b. $40 \times 10 \times 8 =$ $10 \times 0 \times 40 =$	c. $20 \times 70 \times 2 =$ $70 \times 4 \times 20 =$
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2. Solve for N.

a. $5 \times N = 150$ $N = \underline{\hspace{2cm}}$	b. $3 \times N \times 3 = 27$ $N = \underline{\hspace{2cm}}$	c. $20 \times 3 \times N = 180$ $N = \underline{\hspace{2cm}}$	d. $N \times 2 \times 100 = 2,400$ $N = \underline{\hspace{2cm}}$
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3. Solve.

a. $500 - 2 \times 200 =$ $500 + 2 \times 200 =$	b. $70 \times 30 + 2,000 =$ $70 \times 30 - 2,000 =$
c. $8 \times 200 - 200 - 500 =$ $800 - 2 \times 20 + 100 =$	d. $90 + 15 + 2 \times 7 =$ $90 \times 10 + 120 - 40 =$

4. Some more with parentheses.

a. $(500 - 200) \times 2 =$ $(500 + 200) \times 2 =$	b. $70 \times (30 + 20) =$ $70 \times (30 - 20) =$
c. $8 \times (200 - 100) - 500 =$ $(800 - 200) \times 20 + 100 =$	d. $90 + (15 + 5) \times 7 =$ $90 \times (10 + 20) - 40 =$

5. Write with numbers and solve.

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| a. sum of ten, hundred, and hundred forty | b. difference of 1,400 and 200 |
| c. product of seventy and forty | d. ten times the difference of 75 and 50 |
| e. the sum of 5 and 8, multiplied by 2 | f. 20 times the sum of 45 and 15 |