

# The Four Operations

1. Write **two addition** and **two subtraction** sentences with the same numbers. Remember,  $x$  stands for a number, too. We just don't know what it is yet.

<b>a.</b> $1,200 + 95 = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	<b>b.</b> $30 + x = 120$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	<b>c.</b> $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $2,000 - x = 823$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
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2. Write **two multiplication** and **two division** sentences with the same numbers/letters.

<b>a.</b> $3 \times 400 = \underline{\quad}$ $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ $\underline{\quad} \div \underline{\quad} = \underline{\quad}$	<b>b.</b> $30 \times N = 150$ $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ $\underline{\quad} \div \underline{\quad} = \underline{\quad}$	<b>c.</b> $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ $240 \div N = 40$ $\underline{\quad} \div \underline{\quad} = \underline{\quad}$
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3. Solve. You can use the opposite operation.

**a.**  $1,293 + a = 11,028$

**b.**  $y + 2,803 = 45,392$

**c.**  $b + 130 + 50 = 250$

**d.**  $7 \times N = 728$

**e.**  $M \times 2 = 252$

**f.**  $20 \times N = 1,000$

4. You WON'T need the opposite operation now. Figure out a METHOD to solve for  $x$  or  $y$ .

<b>a.</b> $10 - x = 7$  $100 - x = 34$  $1,283 - x = 595$	<b>b.</b> $x - 8 = 4$  $x - 20 = 130$  $x - 2,938 = 4,083$	<b>c.</b> $y \div 5 = 3$  $y \div 10 = 34$  $y \div 16 = 93$
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5. Compare *without* calculating.

**a.**  $235 \times 984$    $235 \div 984$

**b.**  $37,893 - 3 \times 700$    $37,893 - 5 \times 700$

**c.**  $\frac{1260}{3}$    $1,260 - 3$

**d.**  $3,498 + 3 \times 2,934$    $3,498 + 6 \times 2,934$

**e.**  $35 \times 46 - 118$    $35 \times 46 + 118$

**f.**  $6,123 \div 14$    $6,123 \div 17$