

Puzzle 2-1

Properties of Numbers

Find a way to set up each of the following problems so that they are easier to compute using mental math.

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|---|--------------------------------|----------------------------|----------------------------|
| 1. $76 + 52 + 24 = \underline{\hspace{2cm}}$ | A. $76 + 52 + 24$ | B. $24 + 52 + 76$ | Y. $76 + 24 + 52$ |
| 2. $5 \cdot 210 \cdot 2 = \underline{\hspace{2cm}}$ | R. $(5 \cdot 210) \cdot 2$ | O. $(5 \cdot 2) \cdot 210$ | L. $5 \cdot (210 \cdot 2)$ |
| 3. $(6 + x)4 = \underline{\hspace{2cm}}$ | R. $(6 \cdot 4) + (x \cdot 4)$ | B. $(6 + x)(2 + 2)$ | S. $(6 + x)(4 \cdot 1)$ |
| 4. $72 - 35 = \underline{\hspace{2cm}}$ | K. $72 - 32 - 3$ | T. $72 - (34 + 1)$ | A. $(70 + 2) - 35$ |
| 5. $163 + 118 + 36 = \underline{\hspace{2cm}}$ | T. $163 + 36 + 118$ | N. $163 + 118 + 36$ | I. $118 + 36 + 163$ |
| 6. $2.7 + 9.2 + 7.3 = \underline{\hspace{2cm}}$ | O. $2.7 + 7.3 + 9.2$ | E. $2.7 + 9.2 + 7.3$ | K. $7.3 + 9.2 + 2.7$ |
| 7. $51 - 87 = \underline{\hspace{2cm}}$ | T. $51 - (80 + 7)$ | L. $(25 + 26) - 87$ | W. $51 - (81 + 6)$ |
| 8. $(-5)(131)(-20) = \underline{\hspace{2cm}}$ | E. $(-5)(131)(-20)$ | Y. $(131)(-5)(-20)$ | N. $(-5)(-20)(131)$ |

Fill in your answers to find out the site of the final victory of the American Revolution.
