**What Happened to Aunt Sally?**

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| --- |
| Evaluate the expressions using the order of operations. Show all steps. |
| A |  15 + 4 × 3 =  |  |
| D |  45 – 5 × 6 =  |  |
| T |  16 ÷ 2 – 3 =  |  |
| E |  42 × 3 + 2 =  |  |
| R |  8 + 20 × 3 – 5 =  |  |
| U |  26 ÷ 2 + 4 × 3 =  |  |
| L |  15 – 3 × 4 ÷ 6 =  |  |
| M |  35 + 40 ÷ 8 – 3 =  |  |
| X |  3² + 5 × 2 =  |  |
| B |  34 – 3² + 64 ÷ 2³ =  |  |
| C |  12 + 4² – 45 ÷ 3² =  |  |
| N |  5² × 4 ÷ 2 + 6² =  |  |
| Y |  20 × 4 ÷ 2³ + 6² =  |  |
|  |  |  |
| Evaluate the expressions using the order of operations. Show all steps. |
| S |  18 – 6 × 3 + 8² – 5 × 4 =  |  |
| H |   7² – 4 × 5 + 10²– 6 × 2 =  |  |
| P |  9² + 3 × 5 + 6²+ 4 × 2 =  |  |

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| What happened to Aunt Sally?Use the value of the expressions to find out.Write the letter in the box that corresponds to each value. |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140 | 13 | 128 | 27 | 44 | 128 | 128 | 19 | 23 | 25 | 44 | 128 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 37 | 46 | 15 | 128 | 27 | 63 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 27 | 25 | 86 | 5 | 44 | 27 | 13 | 13 | 46 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 44 | 117 | 128 | 33 | 25 | 63 | 140 | 128 | 15 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 27 | 5 | 5 | 117 | 128 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | 25 | 86 | 23 | 117 | 5 | 27 | 33 | 13 | 128 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**What Happened to Aunt Sally?—KEY**

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| --- |
| Evaluate the expressions using the order of operations. Show all steps. |
| A |  15 + 4 × 3 = 15 + 12 = 27 | 27 |
| D |  45 – 5 × 6 = 45 – 30 = 15 | 15 |
| T |  16 ÷ 2 – 3 = 8 – 3 = 5 | 5 |
| E |  42 × 3 + 2 = 126 + 2 = 128 | 128 |
| R |  8 + 20 × 3 – 5 = 8 + 60 – 5 = 68 – 5 = 63 | 63 |
| U |  26 ÷ 2 + 4 × 3 = 13 + 12 = 25 | 25 |
| L |  15 – 3 × 4 ÷ 6 = 15 – 12 ÷ 6 = 15 – 2 = 13 | 13 |
| M |  35 + 40 ÷ 8 – 3 = 35 + 5 – 3 = 40 – 3 = 37 | 37 |
| X |  3² + 5 × 2 = 9 + 5 × 2 = 9 + 10 = 19 | 19 |
| B |  34 – 3² + 64 ÷ 2³ = 34 – 9 + 64 ÷ 8 = 34 – 9 + 8 = 33 | 33 |
| C |  12 + 4² – 45 ÷ 3² = 12 + 16 – 45 ÷ 9 = 12 + 16 – 5 = 28 – 5 = 23 | 23 |
| N |  5² × 4 ÷ 2 + 6² = 25 × 4 ÷ 2 + 36 = 100 ÷ 2 + 36 = 50 + 36 = 86 | 86 |
| Y |  20 × 4 ÷ 2³ + 6² = 20 × 4 ÷ 8 + 36 = 80 ÷ 8 + 36 = 10 + 36 = 46 | 46 |
|  |  |  |
| Evaluate the expressions using the order of operations. Show all steps. |
| S |  18 – 6 × 3 + 8²– 5 × 4 = 18 – 6 × 3 + 64 – 5 × 4 = 18 – 18 + 64 – 20 = 44 | 44 |
| H |   7² – 4 × 5 + 10²– 6 × 2 = 49 – 4 × 5 + 100 – 6 × 2 = 49 – 20 + 100 – 12 = 117 | 117 |
| P |  9² + 3 × 5 + 6² + 4 × 2 = 81 + 3 × 5 + 36 + 4 × 2 = 81 + 15 + 36 + 8 = 140 | 140 |

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| What happened to Aunt Sally?Use the value of the expressions to find out.Write the letter in the box that corresponds to each value. |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| P | L | E | A | S | E |  | E | X | C | U | S | E |
| 140 | 13 | 128 | 27 | 44 | 128 | 128 | 19 | 23 | 25 | 44 | 128 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | M | Y |  | D | E | A | R |  |
| 37 | 46 | 15 | 128 | 27 | 63 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | A | U | N | T |  | S | A | L | L | Y |  |
| 27 | 25 | 86 | 5 | 44 | 27 | 13 | 13 | 46 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | S | H | E |  | B | U | R | P | E | D |  |
| 44 | 117 | 128 | 33 | 25 | 63 | 140 | 128 | 15 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | A | T |  | T | H | E |  |
| 27 | 5 | 5 | 117 | 128 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | L | U | N | C | H |  | T | A | B | L | E |  |
| 13 | 25 | 86 | 23 | 117 | 5 | 27 | 33 | 13 | 128 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |