

Signed numbers. Evaluate each problem without a calculator.

$$a=1, b=-3, c=-1, d=3, k=2.5, m=\frac{1}{4}, n=0, x=-\frac{2}{3}, y=10, z=-100$$

Use the values assigned to each of the above variables.

Gettin' zeroes. Add a number to the given value to have a sum of 0.

1) $a + \underline{\hspace{1cm}} = 0$ (1) + -1 = 0	2) $b + \underline{\hspace{1cm}} = 0$ (-3) + 3 = 0	3) $d + \underline{\hspace{1cm}} = 0$ (3) + -3 = 0	4) $n + \underline{\hspace{1cm}} = 0$ (0) + 0 = 0
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5) $k + \underline{\hspace{1cm}} = 0$ (2.5) + -2.5 = 0	6) $m + \underline{\hspace{1cm}} = 0$ (1/4) + -1/4 = 0	7) $x + \underline{\hspace{1cm}} = 0$ (2/3) + -2/3 = 0	8) $y + \underline{\hspace{1cm}} = 0$ (10) + -10 = 0
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9) $a + b + \underline{\hspace{1cm}} = 0$ (1) + (-3) + -2 = 0	10) $a + d + \underline{\hspace{1cm}} = 0$ (1) + (3) + -4 = 0	11) $d + k + \underline{\hspace{1cm}} = 0$ (3) + (2.5) + -5.5 = 0	12) $z + k + \underline{\hspace{1cm}} = 0$ (-100) + (2.5) + 97.5 =
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Now just add or subtract. Substitute values for the variables from the list above.

13) $10 + d = \underline{\hspace{1cm}}$ 10 + (3) = 13	14) $n + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ (0) + -5 = -5	15) $y + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ (10) + -5 = 5	16) $z + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ (-100) + -5 = -105
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17) $z + y = \underline{\hspace{1cm}}$ (-100) + (10) = -90	18) $y + z = \underline{\hspace{1cm}}$ (10) + (-100) = -90	19) $a - b = \underline{\hspace{1cm}}$ (1) - (-3) = 4	20) $b - a = \underline{\hspace{1cm}}$ (-3) - (1) = -4
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21) $b + d = \underline{\hspace{1cm}}$ (-3) + (3) = 0	22) $b - d = \underline{\hspace{1cm}}$ (-3) - (3) = -6	23) $b + (\underline{\hspace{1cm}}d) = \underline{\hspace{1cm}}$ (-3) + (-3) = -6	24) $n - c = \underline{\hspace{1cm}}$ (0) - (-1) = 1
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25) $d + c = \underline{\hspace{1cm}}$ (3) + (-1) = 2	26) $m + k = \underline{\hspace{1cm}}$ (1/4) + (2.5) = 2.75	27) $k - m = \underline{\hspace{1cm}}$ (2.5) - (1/4) = 2.25	28) $k - b = \underline{\hspace{1cm}}$ (2.5) - (-3) = 5.25
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29) $a - n = \underline{\hspace{1cm}}$ (1) - (0) = 1	30) $n + x = \underline{\hspace{1cm}}$ (0) + (-2/3) = -2/3	31) $\frac{2}{3} + x = \underline{\hspace{1cm}}$ 2/3 + (-2/3) = 0	32) $x - \frac{2}{3} = \underline{\hspace{1cm}}$ (-2/3) - (2/3) = -4/3
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33) $1.1 - z = \underline{\hspace{1cm}}$ 1.1 - (-100) = -2/3	34) $x - 1.1 = \underline{\hspace{1cm}}$ -2/3 - 1.1 = -43/30	35) $a + b - d = \underline{\hspace{1cm}}$ (1) + (-3) - (3) = -5	36) $x + \frac{1}{6} = \underline{\hspace{1cm}}$ (-2/3) + 1/6 = -1/2
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37) $a + d - b + z = \underline{\hspace{1cm}}$ (1) + (3) - (-3) + (-100) = -93	38) $z - y + d = \underline{\hspace{1cm}}$ (-100) - (10) + (3) = -107	39) $c - b - a = \underline{\hspace{1cm}}$ (-1) - (-3) + (1) = 3
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40) $m - \frac{1}{4} = \underline{\hspace{1cm}}$ (1/4) - 1/4 = 0	41) $m - x = \underline{\hspace{1cm}}$ (1/4) - (-2/3) = 11/12	42) $1 - y = \underline{\hspace{1cm}}$ 1 - (-10) = 11	43) $z - 1 = \underline{\hspace{1cm}}$ (-100) - 1 = -
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44) Write a number sentence using a, b, d and a number so that the sum is -2.

$$(1) + (-3) + (3) + -3 = -2$$