Writing & evaluating

Name _____ Date _____

Write each phrase as an expression.

Common Core 6.EE.A.2

Example Write as an expression: 8 less than n.

1. "8 less than n" means start with n and take 8 away.
2. Careful: the order is n, then − 8 (not 8 − n).

Answer: n − 8

1. 6 more than w
2. b increased by 13
3. 17 more than m
4. 19 divided by x
5. the product of 20 and a
6. the quotient of 13 and x

Work out each expression.

Example 4a − 3 when a = 6

1. Replace a with 6: 4 × 6 − 3.
2. Multiply first, then subtract: 24 − 3 = 21.

Answer: 21

7. 4(m + 1) when m = 8 =
8. 5y + 9 when y = 9 =
9. 7c ÷ 2 when c = 12 =
10. 5(n + 30) when n = 5 =
11. 3d + 28 when d = 6 =
12. 9t − 28 when t = 9 =

Free to share with other families. Not for resale.

Equivalent expressions

Name _____ Date _____

Combine the like terms.

Common Core 6.EE.A.3

Example 7x + 4 + 2x = ?

1. Like terms have the same letter: 7x and 2x.
2. 7x + 2x = 9x. The number 4 stays as it is.

Answer: 9x + 4

1. 12a + 9 + 4a = ____
2. 9n + 5n = ____
3. 4x + 4 + 7x = ____
4. 11n + 3 + 3n = ____
5. 9x + 8x = ____
6. 7a + 4 + 12a + 2 = ____

Expand the brackets.

Example 4(3y + 5) = ?

1. Multiply each term in the brackets by 4.
2. 4 × 3y = 12y and 4 × 5 = 20.

Answer: 12y + 20

7. 8(4p − 7) = ____
8. 7(3p + 1) = ____
9. 4(5x + 11) = ____
10. 9(6a + 5) = ____
11. 8(3x + 11) = ____
12. 7(4b − 9) = ____

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Answers

Answers are in the same order as the boxes.

Page 1 · Writing & evaluating

1. w + 6
2. b + 13
3. m + 17
4. 19 ÷ x
5. 20a
6. 13 ÷ x
7. 36
8. 54
9. 42
10. 175
11. 46
12. 53

Page 2 · Equivalent expressions

1. 16a + 9
2. 14n
3. 11x + 4
4. 14n + 3
5. 17x
6. 19a + 6
7. 32p − 56
8. 21p + 7
9. 20x + 44
10. 54a + 45
11. 24x + 88
12. 28b − 63

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