Fresh Math

Challenge Equations Practice

11. If 2a + 3b = 6 text{ and } a = 2, text{ find } b

6. If $5a + 2b = 20$ text{ and } $a = 2$, text{ find } b

2. If x = 6 makes 4x + 6 = 6x + ? true, find ?

7. If 6x + 14 = 68, subtract what from both sides to get 6x = 54?

12. If x = 11 makes 5x + 4 = 6x + ? true, find ?

3. If 2x + 15 = 21, subtract what from both sides to get 2x = 6?

8. If 3a + 4b = 33 text{ and } a = 3, text{ find } b

4. If 4x + 6 = 18, subtract what from both sides to get 4x = 12?

9. If 2x + 9 = 15, subtract what from both sides to get 2x = 6?

5. If x = 5 makes 2x + 6 = 3x + ? true, find ?

10. If 3a + 3b = 42 text{ and } a = 6, text{ find } b

11. If 2a + 3b = 16 text{ and } a = 2, text{ find } b

   x = 4

6. If 5a + 2b = 20 text{ and } a = 2, text{ find } b

   x = 5

2. If x = 6 makes 4x + 6 = 6x + ? true, find ?

12. If x = 11 makes 5x + 4 = 6x + ? true, find ?

   x = -7

   x = -6

7. If 6x + 14 = 68, subtract what from both sides to get 6x = 54?

   x = 14

3. If 2x + 15 = 21, subtract what from both sides to get 2x = 6?

   x = 15

8. If 3a + 4b = 33 text{ and } a = 3, text{ find } b

   x = 6

4. If 4x + 6 = 18, subtract what from both sides to get 4x = 12?

   x = 6

9. If 2x + 9 = 15, subtract what from both sides to get 2x = 6?

   x = 9

5. If x = 5 makes 2x + 6 = 3x + ? true, find ?

   x = 1

10. If 3a + 3b = 42 text{ and } a = 6, text{ find } b

   x = 8