Skillswise

Changing word problems into symbols and numbers - answers

1. If I think of a number, then add 8, I get 10. Write a formula to show this.

Correct answer: **n + 8 = 10 (the number I was thinking of was 2)**

2. If I think of a number, then take away 5, I get 12. Write a formula to show this.

Correct answer: **n - 5 = 12 (the number I was thinking of was 17)**

3. If I think of a number, then take away 3, I get 20. Write a formula to show this.

Correct answer: **n - 3 = 20 (the number I was thinking of was 23)**

4. If I think of a number, then multiply it by 2, I get 12. Write a formula to show this.

Correct answer: **2n = 12 (the number I was thinking of was 6)**

5. If I think of a number, then multiply it by 5, I get 30. Write a formula to show this.

Correct answer: **5n = 30 (the number I was thinking of was 6)**

6. If I think of a number, then divide it by 2, I get 10. Write a formula to show this.

Correct answer: **n ÷ 2 = 10 (the number I was thinking of was 20)**

7. Write a formula to show the total cost in pence (C) of a number of bottles of lemonade (n) at 75p each.

Correct answer: **C = 75n**

B|B|C

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8. Write a formula to show the total cost in pence (C) of a number of cans of beans (n) at 58p each.

Correct answer: **C = 58n**

9. I had some money in my purse when I went out. I spent £8 while I was out and then found I had £2 left. Write a formula to show this.

Correct answer: **M - 8 = 2 (I must have had £10)**

10. Osborn had some money in his wallet when he went out. He spent £25 while he was out and then found he had £6 left. Write a formula to show how much money Osborn had to start with.

Correct answer: **M - 25 = 6 (Osborn must have had £31)**