



Keep an equation balanced

PRACTICE WORKSHEET

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Name: _____ Date: _____

Show your working in the blank space or on separate paper. Sketch labelled rods/beads when asked to represent a number.

1 A number plus 13 gives 16. Solve $x + 13 = 16$.

2 A number plus 10 gives 20. Solve $x + 10 = 20$.

3 A number plus 7 gives 24. Solve $x + 7 = 24$.

4 A number plus 4 gives 10. Solve $x + 4 = 10$.

5 A number plus 23 gives 40. Solve $x + 23 = 40$.

6 A number plus 20 gives 26. Solve $x + 20 = 26$.

7 A number plus 17 gives 30. Solve $x + 17 = 30$.

8 A number plus 14 gives 20. Solve $x + 14 = 20$.

9 A number plus 7 gives 20. Solve $x + 7 = 20$.

10 A number plus 4 gives 6. Solve $x + 4 = 6$.

11 A number plus 23 gives 36. Solve $x + 23 = 36$.

12 A number plus 20 gives 22. Solve $x + 20 = 22$.

Practise interactively and explore the method:

<https://goofergames.com/math/world/equation-solving>



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ANSWER KEY

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Use after completing the practice page. Values are generated by the page's shared engine.

Equivalent exact representations are valid where the prompt allows them. Non-integer results are rounded to two decimals.

1 Answer: 3
 $x = 16 - 13 = 3.$

2 Answer: 10
 $x = 20 - 10 = 10.$

3 Answer: 17
 $x = 24 - 7 = 17.$

4 Answer: 6
 $x = 10 - 4 = 6.$

5 Answer: 17
 $x = 40 - 23 = 17.$

6 Answer: 6
 $x = 26 - 20 = 6.$

7 Answer: 13
 $x = 30 - 17 = 13.$

8 Answer: 6
 $x = 20 - 14 = 6.$

9 Answer: 13
 $x = 20 - 7 = 13.$

10 Answer: 2
 $x = 6 - 4 = 2.$

11 Answer: 13
 $x = 36 - 23 = 13.$

12 Answer: 2
 $x = 22 - 20 = 2.$

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