Number Riddles: Multi-Step Puzzles

Grade 2 · Numbers up to 100 · Challenge ()

Grade 2 · Up to 100

Name: _____ Date: _____

Use the mini chain below each riddle to trace your inverse steps backward and write the starting number.



Max's Tip
Start at the result on the right and reverse each arrow using its inverse operation!

a) I am thinking of a number. I double the number. I add 14. I subtract 8. I get 36. What is the number?

? —×2→ ☐ —+14→ ☐ —−8→ 36 Number: ☐

b) Max is thinking of a number. I add 12. I halve the number. I add 19. I get 41. What is the number?

? —+12→ ☐ —÷2→ ☐ —+19→ 41 Number: ☐

c) Flip is looking for a number. I subtract 9. I double the number. I add 16. I get 58. What is the number?

? —−9→ ☐ —×2→ ☐ —+16→ 58 Number: ☐

d) I am thinking of a number. I halve the number. I add 17. I double the number. I get 70. What is the number?

? —÷2→ ☐ —+17→ ☐ —×2→ 70 Number: ☐

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Great job! 

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Answer Key

Name: _____ Date: _____

Use the mini chain below each riddle to trace your inverse steps backward and write the starting number.



Max's Tip
Start at the result on the right and reverse each arrow using its inverse operation!

a) I am thinking of a number. I double the number. I add 14. I subtract 8. I get 36. What is the number?

15 —×2→ 30 —+14→ 44 —−8→ 36 Number: 15

b) Max is thinking of a number. I add 12. I halve the number. I add 19. I get 41. What is the number?

32 —+12→ 44 —÷2→ 22 —+19→ 41 Number: 32

c) Flip is looking for a number. I subtract 9. I double the number. I add 16. I get 58. What is the number?

30 —−9→ 21 —×2→ 42 —+16→ 58 Number: 30

d) I am thinking of a number. I halve the number. I add 17. I double the number. I get 70. What is the number?

36 —÷2→ 18 —+17→ 35 —×2→ 70 Number: 36

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Great job!

