



I'm Thinking of a Number (plus)



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MathApex

Name: _____

Date: _____

From the video My number plus 30 makes 80 → backwards: $80 - 30 = 50$ **1 Now it's your turn!**

My number plus 148 makes 600. What is my number?



Work backwards: to undo plus 148, use minus.

$$600 - 148 = \boxed{}$$

3 Times and divided by.**a)** My number divided by 3 makes 24. What is my number?**b)** My number times 6 makes 72. What is my number?**c)** My number divided by 4 makes 15. What is my number?**5 Think backwards.**

Write the check for every answer: put your number in and calculate forwards.

6 Calculation chains backwards.

Start on the right with the result and go back using the inverse operation.

2 Plus and minus.**a)** My number plus 125 makes 300. What is my number?**b)** My number minus 90 makes 210. What is my number?**c)** My number plus 260 makes 500. What is my number?**4 Two steps.**

Work both steps backwards, the last one first.

a) My number plus 8, then times 2, makes 36. What is my number?**b)** My number plus 5, then times 2, makes 30. What is my number?**★ Brain teaser**

I double my number and then subtract 6. That makes 40. What is my number?



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1 Now it's your turn!

$$600 - 148 = 452$$

Check: $452 + 148 = 600$.**2 Plus and minus.**

$$300 - 125 = 175$$

$$210 + 90 = 300$$

$$500 - 260 = 240$$

3 Times and divided by.

$$24 \times 3 = 72$$

$$72 \div 6 = 12$$

$$15 \times 4 = 60$$

4 Two steps.

$$36 \div 2 = 18, 18 - 8 = 10$$

$$30 \div 2 = 15, 15 - 5 = 10$$

5 Think backwards.

Every check must give the result from the task.

★ Brain teaser

$$40 + 6 = 46, 46 \div 2 = 23$$

6 Chains.

Start 100 Start 72

For parents and teachers: This worksheet goes with the video "I'm Thinking of a Number (plus)" (Math Story 66, Grade 4). Number riddles are solved with the inverse operation: plus $\leftrightarrow$ minus, times $\leftrightarrow$ divided by. With two steps, the last step is undone first.

More Math Stories with video and worksheet: www.mathapex.app/en/math-stories/