I'm Thinking of a Number (plus)

MathApex

Name: _____ Date: _____

Watch video

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 = ☐

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?

☐

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?

☐

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?

☐

5 Think backwards.

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

Brain teaser

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

6 Calculation chains backwards.



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

MathApex

MATH STORY 66 · ANSWERS

I'm Thinking of a Number (plus)

Watch video

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 × 3 = 72
72 ÷ 6 = 12
15 × 4 = 60

4 Two steps.

36 ÷ 2 = 18, 18 − 8 = 10
30 ÷ 2 = 15, 15 − 5 = 10

5 Think backwards.

Every check must give the result from the task.

★ Brain teaser

40 + 6 = 46, 46 ÷ 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 ↔ minus, times ↔ divided by. With two steps, the last step is undone first.

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