I'm Thinking of a Number (times)

MathApex

Name: _____ Date: _____

Watch video

From the video My number times 3 makes 60 → backwards: **60 ÷ 3 = 20**

1 Now it's your turn!

My number times 4 makes 96. What is my number?



Work backwards: to undo times 4, divide.

96 ÷ 4 = ☐

2 Plus and minus.

a) My number minus 90 makes 210. What is my number?

☐

b) My number minus 40 makes 160. What is my number?

☐

c) My number plus 75 makes 200. What is my number?

☐

3 Times and divided by.

a) My number divided by 4 makes 15. What is my number?

☐

b) My number divided by 3 makes 24. What is my number?

☐

c) My number times 8 makes 96. What is my number?

☐

4 Two steps.

Work both steps backwards, the last one first.

a) My number plus 3, then times 4, makes 40. What is my number?

☐

b) My number plus 10, then times 3, makes 60. 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 10. That makes 50. 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 67 · ANSWERS

I'm Thinking of a Number (times)

Watch video

1 Now it's your turn!

96 ÷ 4 = 24

Check: 24 × 4 = 96.

2 Plus and minus.

210 + 90 = 300
160 + 40 = 200
200 − 75 = 125

3 Times and divided by.

15 × 4 = 60
24 × 3 = 72
96 ÷ 8 = 12

4 Two steps.

40 ÷ 4 = 10, 10 − 3 = 7
60 ÷ 3 = 20, 20 − 10 = 10

5 Think backwards.

Every check must give the result from the task.

★ Brain teaser

50 + 10 = 60, 60 ÷ 2 = 30

6 Chains.

Start 30 **Start 15**

For parents and teachers: This worksheet goes with the video "I'm Thinking of a Number (times)" (Math Story 67, 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/**