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MathApex

Name: _____

Date: _____

From the video

My number times 3 makes 60 → backwards: $60 \div 3 = 20$ **1 Now it's your turn!**

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



Work backwards: to undo times 4, divide.

$$96 \div 4 = \boxed{}$$

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?

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 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?

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?

★ Brain teaser

I double my number and then subtract 10. That makes 50. What is my number?



I'm Thinking of a Number (times)



Watch video

1 Now it's your turn!

$$96 \div 4 = 24$$

Check: $24 \times 4 = 96$.**2 Plus and minus.**

$$210 + 90 = 300$$

$$160 + 40 = 200$$

$$200 - 75 = 125$$

3 Times and divided by.

$$15 \times 4 = 60$$

$$24 \times 3 = 72$$

$$96 \div 8 = 12$$

4 Two steps.

$$40 \div 4 = 10, 10 - 3 = 7$$

$$60 \div 3 = 20, 20 - 10 = 10$$

5 Think backwards.

Every check must give the result from the task.

★ Brain teaser

$$50 + 10 = 60, 60 \div 2 = 30$$

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 $\leftrightarrow$ minus, times $\leftrightarrow$ divided by. With two steps, the last step is undone first.

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