



Guess My Number



From the video $? \times 4 = 28 \rightarrow$ backwards: $28 \div 4 = 7$, because $4 \times 7 = 28$

1 Now it's your turn!

I'm thinking of a number. Times 8 makes 32. Which number is it?

$$\square \times 8 = 32$$

Work backwards: $32 \div 8$.

$$32 \div 8 = \square$$

3 Times and divided by.

$$5 \times 8 = \square \quad 40 \div 8 = \square$$

$$9 \times 3 = \square \quad 27 \div 3 = \square$$

$$6 \times 7 = \square \quad 42 \div 7 = \square$$

5 Think backwards.

Which number is missing?

$$\square \div 4 = 9$$

$$\square \div 8 = 5$$

18 children make groups of 2. How many groups are there?

$$\square \div \square = \square$$

6 Arrange 24 dots in rows of 6. How many rows do you get?



Shade 6 dots in each row.

$$24 \div 6 = \square$$

2 Guess my number.

a) My number times 5 makes 35.

b) My number times 4 makes 36.

c) My number times 9 makes 54.

4 Division riddles.

a) My number divided by 3 makes 9.

b) My number divided by 5 makes 6.

★ Brain teaser

I'm thinking of a number. I multiply it by 3 and then add 4. The result is 19. Which number is it?



Guess My Number

**1** Now it's your turn!

$$32 \div 8 = 4$$

$$8 \times 4 = 32$$

2 Guess my number.

$$35 \div 5 = 7$$

$$36 \div 4 = 9$$

$$54 \div 9 = 6$$

3 Times and divided by.

$$5 \times 8 = 40, 40 \div 8 = 5$$

$$9 \times 3 = 27, 27 \div 3 = 9$$

$$6 \times 7 = 42, 42 \div 7 = 6$$

4 Division riddles.

$$9 \times 3 = 27$$

$$6 \times 5 = 30$$

5 Think backwards.

$$36 \div 4 = 9$$

$$40 \div 8 = 5$$

$$18 \div 2 = 9$$

★ Brain teaser

$$19 - 4 = 15, 15 \div 3 = 5.$$

6 Count the rows.

24 dots, 6 in each row: **4 rows**

For parents and teachers: This worksheet goes with the video "Guess My Number" (Math Story 103, Grade 3). Inverse problems: working a multiplication backwards means dividing. Checking with the multiplication shows whether the result is right.

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