Guess My Number

MathApex

Name: _____ Date: _____

Watch video

From the video ? × 4 = 28 → backwards: **28 ÷ 4 = 7**, because 4 × 7 = 28

1 Now it's your turn!

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

☐ × 8 = 32

Work backwards: 32 ÷ 8.

32 ÷ 8 = ☐

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.

☐

3 Times and divided by.

5 × 8 = ☐	40 ÷ 8 = ☐
9 × 3 = ☐	27 ÷ 3 = ☐
6 × 7 = ☐	42 ÷ 7 = ☐

4 Division riddles.

a) My number divided by 3 makes 9.

☐

b) My number divided by 5 makes 6.

☐

5 Think backwards.

Which number is missing?

☐ ÷ 4 = 9

☐ ÷ 8 = 5

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

☐ ÷ ☐ = ☐

★ 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?

_____

_____

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

Shade 6 dots in each row.

24 ÷ 6 = ☐

MathApex

MATH STORY 103 · ANSWERS

Guess My Number

Watch video

1 Now it's your turn!

32 ÷ 8 = 4

8 × 4 = 32

2 Guess my number.

35 ÷ 5 = 7
36 ÷ 4 = 9
54 ÷ 9 = 6

3 Times and divided by.

5 × 8 = 40, 40 ÷ 8 = 5
9 × 3 = 27, 27 ÷ 3 = 9
6 × 7 = 42, 42 ÷ 7 = 6

4 Division riddles.

9 × 3 = 27
6 × 5 = 30

5 Think backwards.

36 ÷ 4 = 9
40 ÷ 8 = 5
18 ÷ 2 = 9

★ Brain teaser

19 − 4 = 15, 15 ÷ 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.

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