Swap the Numbers

MathApex

Name: _____ Date: _____

Watch video

From the video 3 rows of 8 = 8 rows of 3 → **3 × 8 = 8 × 3 = 24**

1 Now it's your turn!

What is 9 times 2?

Swap the numbers: 2 × 9 is easier.

2 × 9 = ☐

9 × 2 = ☐

2 One picture, two problems.

Write two multiplications for each picture.



☐ × ☐ = ☐

☐ × ☐ = ☐



☐ × ☐ = ☐

☐ × ☐ = ☐

3 The 6 times table.

1 × 6 = ☐	**2 × 6 =** ☐
3 × 6 = ☐	**4 × 6 =** ☐
5 × 6 = ☐	**6 × 6 =** ☐
7 × 6 = ☐	**8 × 6 =** ☐
9 × 6 = ☐	**10 × 6 =** ☐

4 Swap the numbers.

6 × 7 = ☐	**7 × 6 =** ☐
6 × 3 = ☐	**3 × 6 =** ☐

7 children have 6 pencils each. How many pencils are there altogether?

☐ × ☐ = ☐

5 Think backwards.

Which number is missing?

☐ **× 6 = 42**

☐ **× 6 = 18**

42 ÷ 6 = ☐

Brain teaser

Which numbers are missing? 7 × 3 = 3 × ? and 5 × ? = 9 × 5

6 Draw 5 × 6 as rows and calculate.

5 rows, 6 dots in every row. Shade them in.

5 × 6 = ☐

MathApex

MATH STORY 100 · ANSWERS

Swap the Numbers

Watch video

1 Now it's your turn!

9 × 2 = 18

2 × 9 = 18

2 One picture, two problems.

2 × 5 = 10 and 5 × 2 = 10

2 × 7 = 14 and 7 × 2 = 14

3 The 6 times table.

1 × 6 = 6	2 × 6 = 12
3 × 6 = 18	4 × 6 = 24
5 × 6 = 30	6 × 6 = 36
7 × 6 = 42	8 × 6 = 48
9 × 6 = 54	10 × 6 = 60

4 Swap the numbers.

6 × 7 = 42 and 7 × 6 = 42

6 × 3 = 18 and 3 × 6 = 18

7 × 6 = 42

5 Think backwards.

7 × 6 = 42

3 × 6 = 18

42 ÷ 6 = 7

★ Brain teaser

7 × 3 = 3 × **7** and 5 × **9** = 9 × 5

6 Draw the problem.

5 × 6 = 30

For parents and teachers: This worksheet goes with the video "Swap the Numbers" (Math Story 100, Grade 3). Swapping: when you multiply, you may swap the numbers and the result stays the same. The turned dot array shows why, so you can always work out the easier problem.

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