Split It: 7 = 5 + 2

MathApex

Name: _____ Date: _____

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From the video 7 × 8 = 5 × 8 + 2 × 8 = 40 + 16 = **56**

1 Now it's your turn!

What is 7 times 6?

Split it: 7 × 6 = 5 × 6 + 2 × 6.

5 × 6 = ☐ 2 × 6 = ☐

7 × 6 = ☐

2 Split the 7.

First 5 times, then 2 times, then add.

a) 5 × 9 = ☐ 2 × 9 = ☐

☐ + ☐ = ☐

b) 5 × 3 = ☐ 2 × 3 = ☐

☐ + ☐ = ☐

3 The 7 times table.

1 × 7 = ☐ 2 × 7 = ☐

3 × 7 = ☐ 4 × 7 = ☐

5 × 7 = ☐ 6 × 7 = ☐

7 × 7 = ☐ 8 × 7 = ☐

9 × 7 = ☐ 10 × 7 = ☐

4 Swap the numbers.

7 × 4 = ☐ 4 × 7 = ☐

7 × 3 = ☐ 3 × 7 = ☐

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

☐ × ☐ = ☐

5 Think backwards.

Which number is missing?

☐ × 7 = 21

☐ × 7 = 28

21 ÷ 7 = ☐

★ Brain teaser

Split the 6 too: 6 × 8 = 5 × 8 + 1 × 8. What is 6 × 8?

6 Draw 5 × 7 as rows and calculate.

5 rows, 7 dots in every row. Shade them in.

5 × 7 = ☐

Split It: 7 = 5 + 2

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1 Now it's your turn!

7 × 6 = 42

5 × 6 = 30, 2 × 6 = 12, 30 + 12 = 42

2 Split the 7.

7 × 9: 45 + 18 = 63

7 × 3: 15 + 6 = 21

3 The 7 times table.

1 × 7 = 7	2 × 7 = 14
3 × 7 = 21	4 × 7 = 28
5 × 7 = 35	6 × 7 = 42
7 × 7 = 49	8 × 7 = 56
9 × 7 = 63	10 × 7 = 70

4 Swap the numbers.

7 × 4 = 28 and 4 × 7 = 28

7 × 3 = 21 and 3 × 7 = 21

3 × 7 = 21

5 Think backwards.

3 × 7 = 21

4 × 7 = 28

21 ÷ 7 = 3

★ Brain teaser

40 + 8 = **48**.

6 Draw the problem.

5 × 7 = 35

For parents and teachers: This worksheet goes with the video "Split It: 7 = 5 + 2" (Math Story 102, Grade 3). Splitting: hard facts of the 7 times table are split into two easy ones, 5 times and 2 times, and the results are added.

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