



First One, Then Many

MathApex

Name: _____

Date: _____



Watch video

From the video3 notebooks cost \$6 → 1 notebook \$2 → 5 notebooks $5 \times 2 = \$10$ **1 Now it's your turn!**

4 pencils cost 8 dollars. How much do 7 pencils cost?

First one: What does 1 pencil cost? Then many.

$8 \div 4 = \$ \boxed{}$

$7 \times 2 = \$ \boxed{}$

3 The recipe.

The recipe is for 4 people. Calculate for 2 and for 8 people.

	4 people	2 people	8 people
Flour	200 g		
Sugar	100 g		
Eggs	2		
Milk	300 ml		

5 Think backwards.

A notebook costs \$6. How many notebooks can you buy for \$18?

$18 \div 6 = \boxed{} \text{ notebooks}$

6 The price table.

Number	1	2	5	10
Price	\$6			

2 First one, then many.

a) 3 balls cost \$12. What do 5 balls cost?

$12 \div 3 = \$ \boxed{} \quad 5 \times 4 = \$ \boxed{}$

b) 4 notebooks cost \$8. What do 7 notebooks cost?

$8 \div 4 = \$ \boxed{} \quad 7 \times 2 = \$ \boxed{}$

4 Words only.

5 bottles of juice cost \$15. How much do 8 bottles cost?

$15 \div 5 = \$ \boxed{} \quad 8 \times 3 = \$ \boxed{}$

**Brain teaser**

4 children share 24 cookies fairly. Then just as many more children join, but there are no new cookies. How many cookies does each child get now?



First One, Then Many

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

$$8 \div 4 = \$2, 7 \times 2 = \$14$$

2 First one, then many.

$$12 \div 3 = \$4, 5 \times 4 = \$20$$

$$8 \div 4 = \$2, 7 \times 2 = \$14$$

3 The recipe.

Flour: 100 g / 400 g

Sugar: 50 g / 200 g

Eggs: 1 / 4

Milk: 150 ml / 600 ml

4 Words only.

$$15 \div 5 = \$3, 8 \times 3 = \$24$$

5 Think backwards.

$$18 \div 6 = 3 \text{ notebooks}$$

★ Brain teaser

$$\text{First } 24 \div 4 = 6, \text{ then } 24 \div 8 = 3 \text{ cookies}$$

Twice as many children, half as many cookies for each.

6 The price table.

$$2 \rightarrow \$12 \quad 5 \rightarrow \$30 \quad 10 \rightarrow \$60$$

For parents and teachers: This worksheet goes with the video "First One, Then Many" (Math Story 81, Grade 4). "First one, then many": first work out the value for one item (or one person), then multiply or halve.

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