# Sums and Products

ACTIVITY

You need: a classmate

## Maths Words

A sum is found by adding two or more numbers together. (These numbers are called addends.)

4 + 2 = 6

addends sum

A product is the result of multiplying two or more numbers together. (These numbers are called factors.)

4 x 2 = 8

factors product

Sonya's teacher gives her some problems to solve. He tells her that to solve each problem, she needs to find which two numbers make a given sum and product.
Sonya tries to solve the first problem.

The sum is 8, and the product is 15:
□ + □ = 8 □ x □ = 15

She tries these numbers:

- 6 and 2: 6 + 2 = 8, and 6 x 2 = 12, so 6 and 2 are wrong.
- 4 and 4: 4 + 4 = 8, and 4 x 4 = 16, so 4 and 4 are wrong.
- 3 and 5: 3 + 5 = 8, and 3 x 5 = 15. It works!

**1.** Find numbers that make these sums and products:

| | Sum | Product |
|---|---|---|
| **a.** | 5 | 4 |
| **b.** | 7 | 10 |
| **c.** | 7 | 12 |
| **d.** | 8 | 12 |
| **e.** | 10 | 16 |
| **f.** | 12 | 35 |


**2.** For each part of this question, write two addition statements in which the addends are factors of the product given.
For each statement, give the sum and product equations.

**a.** 24

**b.** 30

**c.** Write a sum and product problem for a classmate to solve.
"Find my two numbers. Their sum is _____. Their product is _____."

**3.** Find two numbers whose sum is larger than their product.