

# Using Multiplication to Check Division

To solve the puzzles on this page, you need to know three rules:

1  $55 \times 2$  and  $2 \times 55$  (and similar reversals) do not count as "different."

2 Multiplication problems can use only two numbers.

$$\cancel{55 \times 2 \times 13}$$

3 Use only whole numbers, please.

$$\cancel{3 \times 2\frac{1}{3}}$$

$$\cancel{3.5 \times 2}$$

---

## Puzzle 1

The number 110 can be the answer to only four different whole-number multiplication problems.

$1 \times 110$ ,  $2 \times 55$ , and  $11 \times 10$  are three of them.

What is the fourth? \_\_\_\_\_

---

## Puzzle 2

The numbers 210 and 1,155 can be the answers to many more multiplication problems. How many?

(Pick either 210 or 1,155.) List the problems.

---