

The counting principle — Two stages

Name: _____

Date: _____



Work out how many ways each choice can be made.

- 1 4 mains and 6 sides. How many different meals can you make?

- 2 6 frames and 8 wheels. How many different bikes can you make?

- 3 7 frames and 5 wheels. How many different bikes can you make?

- 4 2 flavors and 6 cones. How many different ice creams can you make?

- 5 7 flavors and 5 cones. How many different ice creams can you make?

- 6 4 flavors and 9 cones. How many different ice creams can you make?

- 7 6 frames and 3 wheels. How many different bikes can you make?

- 8 5 frames and 4 wheels. How many different bikes can you make?



The counting principle · Two stages — Answer key



1. 4 mains and 6 sides. How many different meals can you make? → 24

2. 6 frames and 8 wheels. How many different bikes can you make? → 48

3. 7 frames and 5 wheels. How many different bikes can you make? → 35

4. 2 flavors and 6 cones. How many different ice creams can you make? → 12

5. 7 flavors and 5 cones. How many different ice creams can you make? → 35

6. 4 flavors and 9 cones. How many different ice creams can you make? → 36

7. 6 frames and 3 wheels. How many different bikes can you make? → 18

8. 5 frames and 4 wheels. How many different bikes can you make? → 20