



# Finding Factors

I can find factors of numbers.



To find the **factors** of a number, you need to find all the pairs of numbers that multiply together to make a **product**.

$$2 \times 5 = 10$$

2 and 5 are **factors**. 10 is the **product**.

**Fill in the missing factors for these products:**

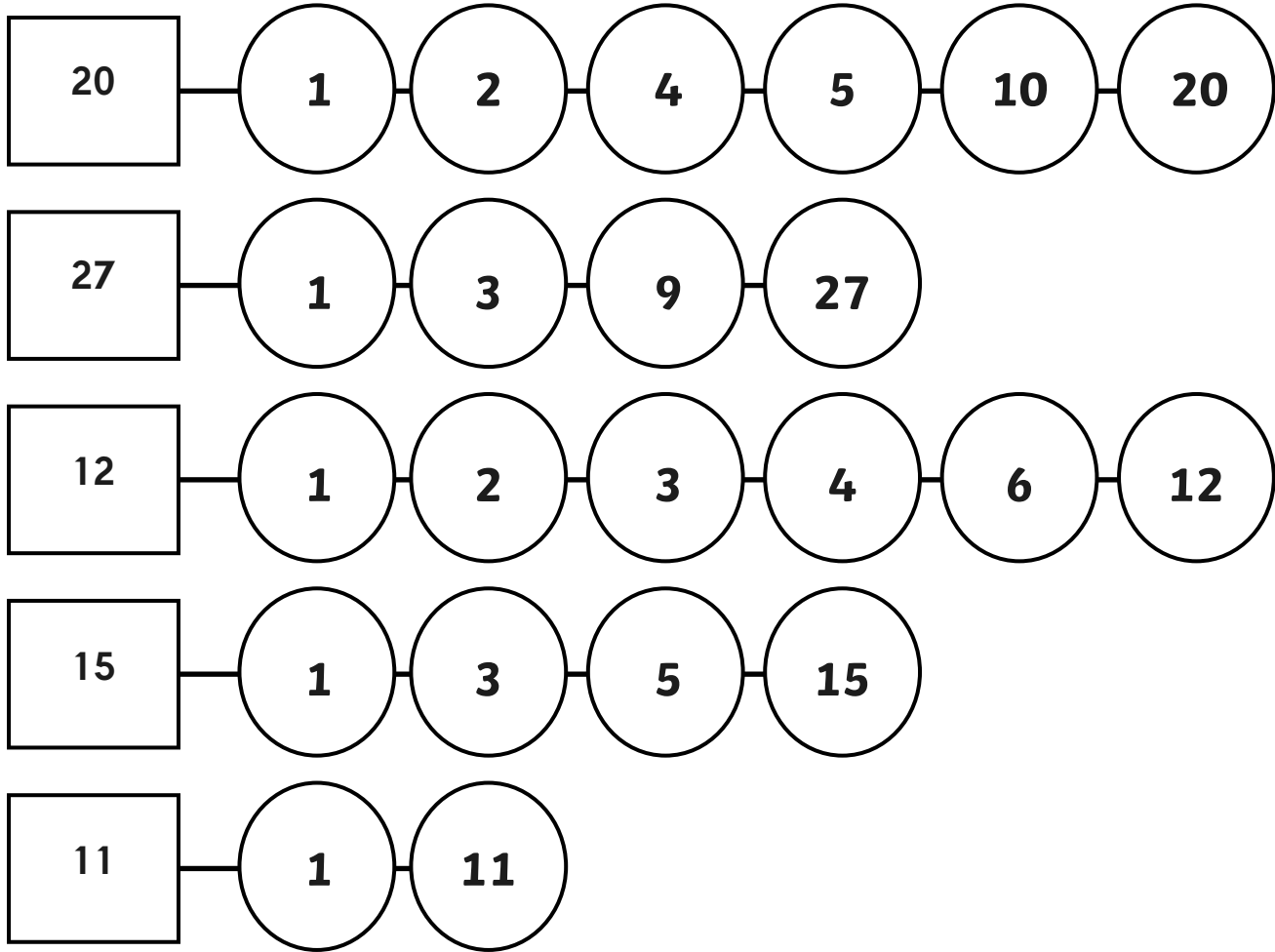
20	○	○	○	○	○	○
27	○	○	○	○		
12	○	○	○	○	○	○
15	○	○	○	○		
11	○	○				

Now list the factors of these numbers:

1. 16
2. 21
3. 23



# Finding Factors **Answers**



Now list the factors of these numbers:

1. 16 **1, 2, 4, 8, 16**
2. 21 **1, 3, 7, 21**
3. 23 **1, 23**



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To find the **factors** of a number, you need to find all the pairs of numbers that multiply together to make a **product**.

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**List the factors of these numbers:**

1. 16
2. 21
3. 24
4. 48
5. 64

**List the factors of these numbers:**

6. 7
7. 11
8. 23
9. 13
10. 5

What do you notice about these numbers?

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These numbers are called prime numbers.

Can you find three more prime numbers? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_



# Finding Factors **Answers**

List the factors of these numbers:

1. 16 **1, 2, 4, 8, 16**
2. 21 **1, 3, 7, 21**
3. 24 **1, 2, 3, 4, 6, 8, 12, 24**
4. 48 **1, 2, 3, 4, 6, 8, 12, 16, 24, 48**
5. 64 **1, 2, 4, 8, 16, 32, 64**

List the factors of these numbers:

6. 7 **1, 7**
7. 11 **1, 11**
8. 23 **1, 23**
9. 13 **1, 13**
10. 5 **1, 5**

What do you notice about these numbers?

**They only have 1 and the number itself as factors**

These numbers are called prime numbers.

Can you find three more prime numbers? **Multiple answers possible**



# Finding Factors

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To find the **factors** of a number, you need to find all the pairs of numbers that multiply together to make a **product**.

$$2 \times 5 = 10$$

2 and 5 are **factors**. 10 is the **product**.

List the factors of these numbers:

1. 64

2. 48

3. 24

4. 36

5. 72

List the factors of these numbers:

6. 11

7. 17

8. 23

9. 29

10. 61

What do you notice about these numbers?

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These numbers are called prime numbers.

Can you find three more prime numbers? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_



# Finding Factors **Answers**

List the factors of these numbers:

1. 64 **1, 2, 4, 8, 16, 32, 64**
2. 48 **1, 2, 3, 4, 6, 8, 12, 16, 24, 48**
3. 24 **1, 2, 3, 4, 6, 8, 12, 24**
4. 36 **1, 2, 3, 4, 6, 9, 12, 18, 36**
5. 72 **1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72**

List the factors of these numbers:

6. 11 **1, 11**
7. 17 **1, 17**
8. 23 **1, 23**
9. 29 **1, 29**
10. 61 **1, 61**

What do you notice about these numbers?

**They can be divided evenly only by 1 or itself.**

These numbers are called prime numbers.

Can you find three more prime numbers? **Multiple answers possible**