Finding Factors

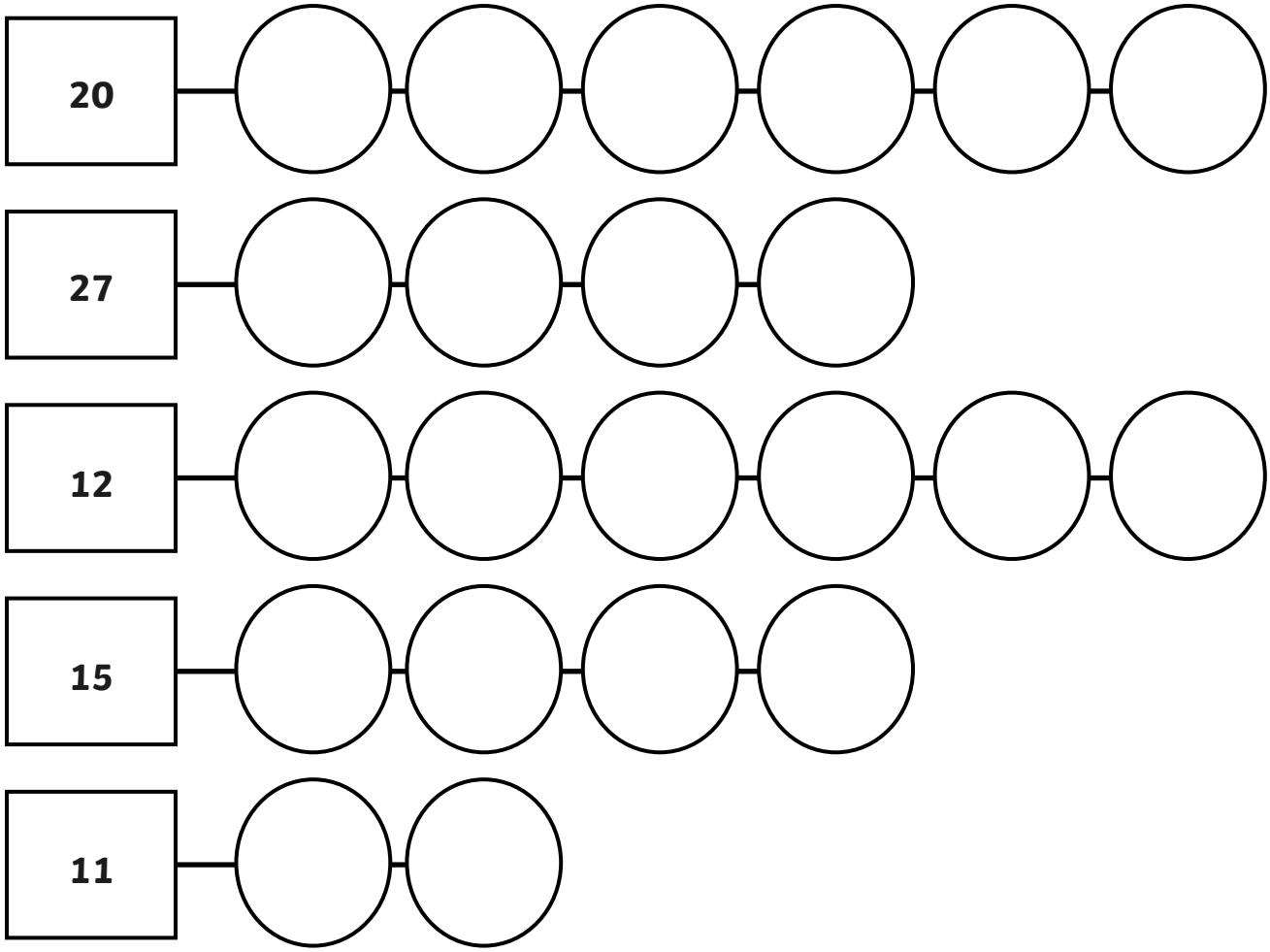
I can find factors of numbers.

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

2 × 5 = 10

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

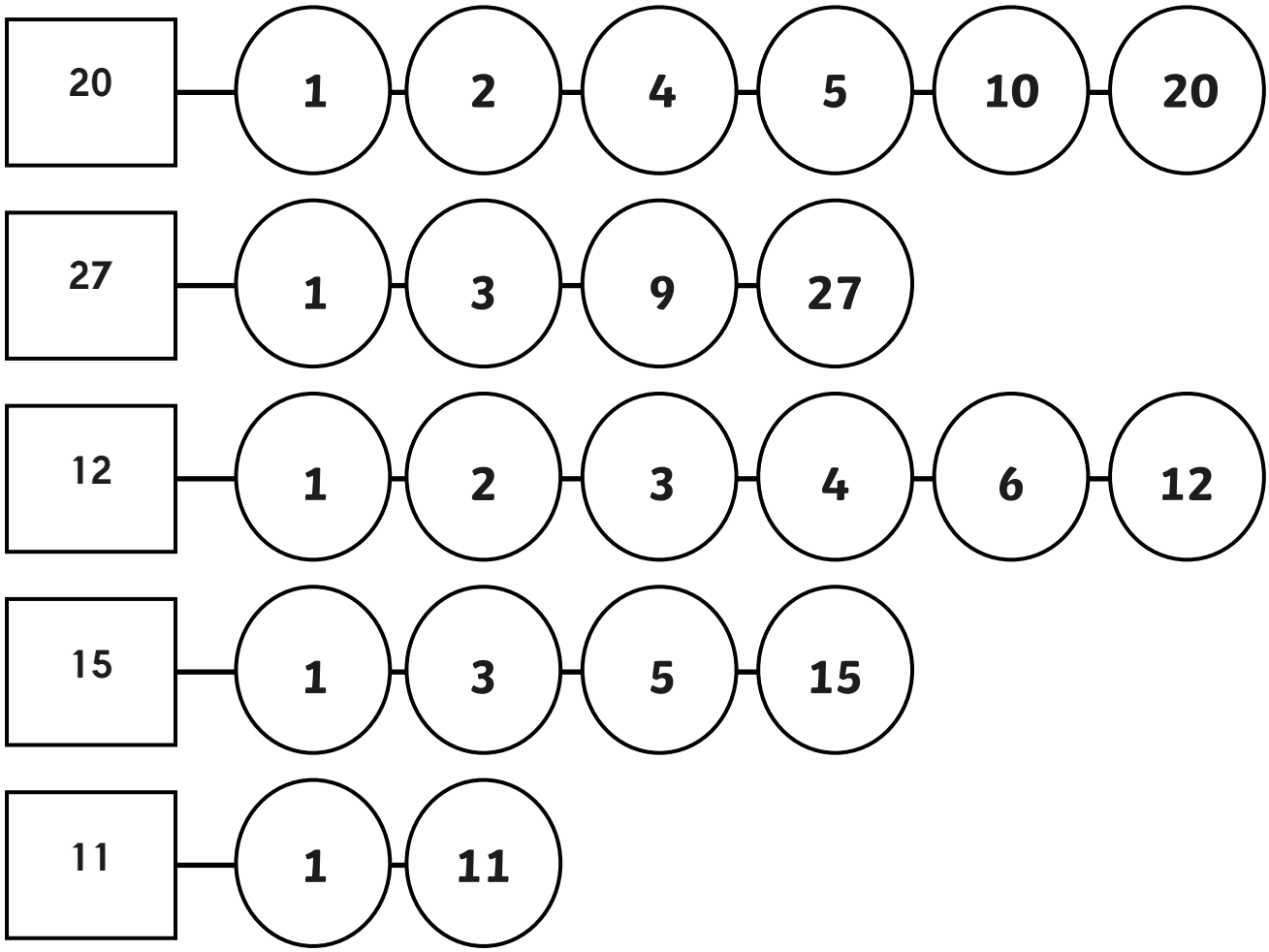
Fill in the missing factors for these products:



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**.
2 × 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?

_____

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***