

Understanding Multiplication and Division

Year 2 Summer Term Week 10

Lesson 2

Today we will be learning to:

- complete multiplication and division problems
- use multiplication and division vocabulary
- multiply up to 5×5
- know our 2, 5 and 10 times-table facts
- use a symbol to stand for an unknown.

Mental Activity

Multiplication and division



Sit in a circle.

You will be given a number card 0–35.

Hold up your card if
it is a multiple of 10.

Are they right?

Thumbs up if right.

Thumbs down if wrong.

Hold up your card if

it is a multiple of 10.

Now put those cards back face
down.

Hold up your card if
you have the answers.

2, 4, 6, ...

What are the next two numbers?

Hold up your card if
you have the answers.

12, 14, 16, ...

What is the next number?

Hold up your card if
you have the answers.

10 sweets shared between 5 children.

How many does each child get?

Hold up your card if
you have the answers.

3 children get 5p each.
How much altogether?

Hold up your card if
you have the answers.

6 eggs in one carton.

How many in two?

Hold up your card if
you have the answers.

7 days in a week.

How many in two weeks?

Hold up your card if
you have the answers.

16 marbles shared between four children.

How many does each person get?

Hold up your card if
you have the answers.

12 cakes in a box.

How many in two full boxes?

Hold up your card if
you have the answers.

7 days in a week.

How many in three weeks?

Hold up your card if
you have the answers.

7 buttons on a coat.
How many on 5 coats?

Hold up your card if
you have the answers.

11 players in a football team.

How many in two teams?

Hold up your card if
you have the answers.

11 players in a football team.

How many in three teams?

Hold up your card if
you have the answers.

$$9 \times 3$$

Hold up your card if
you have the answers.

Share 24 sweets between 4 children.

How many does each person get?

Hold up your card if
you have the answers.

$$5 \times 5$$

Hold up your card if
you have the answers.

An even number greater than 14.

Some numbers are left over.

These numbers are called **prime numbers**.

Prime numbers can only be divided by themselves and 1.

Main Activity

Today we are going to

use our ability to solve multiplication and
division problems

to find out what a symbol in a number
sentence stands for.

Shape symbols for unknown numbers.

$$4 + \triangle = 6$$

What is the missing number?

How did you work it out?

Shape symbols for unknown numbers.

$$\text{●} - 1 = 7$$

What is the missing number?

How did you work it out?

Shape symbols for unknown numbers.

$$3 \times \square = 12$$

What is the missing number?

How did you work it out?

Shape symbols for unknown numbers.

$$\text{●} \times 5 = 15$$

What is the missing number?

How did you work it out?

Shape symbols for unknown numbers.

$$10 \div \text{●} = 2$$

What is the missing number?

How did you work it out?

Shape symbols for unknown numbers.

$$\triangle \div 5 = 5$$

What is the missing number?

How did you work it out?

Shape symbols for unknown numbers.

$$\square \div 3 = 12$$

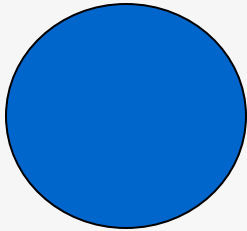
What is the missing number?

How did you work it out?

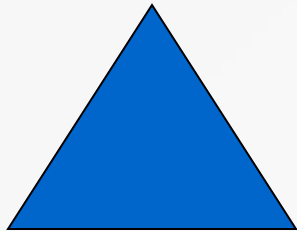
Group Work



Work out what symbols represent in number sentences.



Work out what symbols represent in number sentences.



Make up some more number sentences with unknowns.
Give one symbol a value of 10.