

Key Vocabulary

number

Digit

Least

Smallest

Greatest

Ones

Tens

First/Second/Third

More/Less

Year 1 Maths Spring 1

Unit of learning: Place Value (within 20)

Duration: Approx. 3 weeks of learning time.

Comparing and Ordering/ Counting in Twos

Comparing

Ordering

Counting in Twos

2	4	6	8	10	12	14	16	18	20
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Previous Learning

This unit builds on the previous place value unit to 10. The children learned to subitise, number bonds to 5, 7, 8 and 10. They learned to recognise 1 more and 1 less.

Key Objectives

In this unit children will use concrete and pictorial resources to:

- Count within 20
- Understand 10
- Understand 11, 12 and 13
- Understand 14, 15 and 16
- Understand 17, 18 and 19
- Understand 20
- To know 1 more and 1 less
- To use a number line to 20
- To compare numbers to 20
- To order numbers to 20

Overview

Number and Place Value

-Count Forwards and Backwards to 20

-Write Numbers to 20 in Numerals and Words

-Tens and Ones -Count One More and One Less

-Compare/Order Groups -Compare/Order Numbers

Number and Place Value is useful learning because it is the foundation for all other maths. It helps us to understand the value of digits of numbers and to use mental calculation methods. It helps us to use maths functionally in many areas of our lives.

Representations

There are many different ways that we can show numbers. Examples below for 4 and 12.

4

12

Numbers to 20/ Counting 1 More and 1 Less

Numbers to 20 (numerals and words)

1	one	11	eleven
2	two	12	twelve
3	three	13	thirteen
4	four	14	fourteen
5	five	15	fifteen
6	six	16	sixteen
7	seven	17	seventeen
8	eight	18	eighteen
9	nine	19	nineteen
10	ten	20	twenty

Counting 1 More and 1 Less

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

One more than 4 is 5.

5 is one more than 4.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

One less than 16 is 15.

15 is one less than 16.

As children of God we are loved, we are called, and we are inspired.



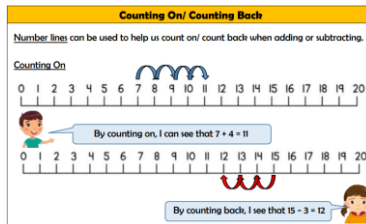
Key Vocabulary
number
count
add
subtract
Take away
Difference
Plus
Number line
Number Bond

Year 1 Maths

Unit of learning:

Addition and Subtraction (within 20)

Duration: Approx. 3 weeks of learning time.



Previous Learning	This unit builds on first calculation unit in Year 1, addition and subtraction within 10. The children will draw on the number knowledge from this unit and apply it within 20.
Key Objectives	In this unit children will use concrete and pictorial resources to: <ul style="list-style-type: none"> • Add by counting on • Find and make number bonds • Add by making 10 • Subtracting (not crossing 10) • Related Facts • Subtraction (crossing 10) • Compare number sentences

Number Bonds

Number bonds are pairs of numbers that can be added to make another number.

-We should learn number bonds up to 10.

-The images here show the number bonds to make 10.

Number Bonds to 10

0 + 10 = 10	10 + 0 = 10
1 + 9 = 10	9 + 1 = 10
2 + 8 = 10	8 + 2 = 10
3 + 7 = 10	7 + 3 = 10
4 + 6 = 10	6 + 4 = 10
5 + 5 = 10	5 + 5 = 10

Number Bonds to 20

0 + 20 = 20	20 + 0 = 20
1 + 19 = 20	19 + 1 = 20
2 + 18 = 20	18 + 2 = 20
3 + 17 = 20	17 + 3 = 20
4 + 16 = 20	16 + 4 = 20
5 + 15 = 20	15 + 5 = 20
6 + 14 = 20	14 + 6 = 20
7 + 13 = 20	13 + 7 = 20
8 + 12 = 20	12 + 8 = 20
9 + 11 = 20	11 + 9 = 20
10 + 10 = 20	10 + 10 = 20

Compare Number Sentences

> Greater than < Less than = Equal to

Examples

14 + 3 > 4 + 3

16 = 20 - 4

12 - 2 < 13 - 1

Partitioning/ Crossing 10

We can cross 10 by partitioning numbers.

Addition

for 8 + 4...

...we can partition the 4 into 2 and 2.

8 + 2 = 10

10 + 2 = 12

Subtraction

for 11 - 5...

...we can partition the 5 into 1 and 4.

11 - 1 = 10

10 - 4 = 6



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