

Year 2

Remote Learning



Maths Week 17 (w.c. 13.7.20)

Message

Hello Year 2,

We hope you have had lots of fun doing all the different maths lessons and activities over the last few months. This is the last full week of maths Remote Learning before the summer holidays and we're going to do a few different maths topics – symmetry, number bonds to 100, and division of numbers using sharing and grouping. We have picked these because they will be really useful for you to know well when you are in Year 3.

Remember, you can send any of your learning to: year2@coleridgeprimary.net. We really love seeing what you have been up to.

Take care,
Ms Creamer, Mr Heidensohn, Miss Ibbotson and Mr Ibbotson

Website Links

Symmetry:

<https://www.topmarks.co.uk/symmetry/symmetry-matching>

<https://www.topmarks.co.uk/symmetry/symmetry-sorting>

Fast-paced number bonds to 100 game:

<https://www.studyzone.tv/game275-code13fe7c386fa4ad7bb0ecdf05c8cec747>

Division by sharing bones out to puppies:

<https://www.ictgames.com/mobilePage/doggyDivision/index.html>

Game to practise division, times tables, number bonds, doubles, halves:

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Lesson 1 – Symmetry

You will need: printed copies of *Activities 1, 2 and 3*, some squared paper, a pencil, colouring pencils or pens, a small mirror (if possible), a ruler or straight edge

Key words: line of symmetry, reflection, mirror image, symmetrical, half/halves, non-symmetrical

Watch this **BBC Bitesize** video on the line of symmetry: <https://www.bbc.co.uk/bitesize/clips/ztpyr82>

Activity 1: Look at the sheet of shapes. Which ones are symmetrical? Can you find a line of symmetry to prove it? You could use a small mirror, or you could cut them out and fold them to help you work it out or prove it.

Activity 2 and **Activity 3:** Shade in the squares to make the other side of the line of symmetry a mirror image of the side that has already been shaded in.

Activity 4: Fold some squared paper in half, or draw a line of symmetry down the middle. Make up your own symmetrical patterns by shading in squares, making sure each side of the line of symmetry is a mirror image of the other.

Extras: Can you spot some symmetrical shapes and patterns in your home or outside? You might find symmetry in nature (for example, butterflies) or in things that have been made by people.

Can you make symmetrical patterns using objects? You could build something with Lego that has a line of symmetry, or you could make symmetrical patterns using things that you find, for example leaves, stones, twigs.

Lesson 2 – Number Bonds to 100

This lesson is based on the BBC Bitesize daily lesson '**Bonds to 100 (tens and ones)**': <https://www.bbc.co.uk/bitesize/articles/znmpf4j> and the White Rose Maths lesson on the same subject.

You will need: some paper and a pencil or pen, printed copies of *Activity 1* and *Activity 2*

Key words: tens, ones, place value, number bonds / pairs / friends, addition

Animation 1: Watch the first animation on the BBC page (see the link above), called 'Learn – tens and ones'. When it's finished, think of some numbers, then write down how many tens and ones they are made up of. Challenge: Can you think of some bigger numbers and write down how many *hundreds*, tens and ones they are made up of?

Animation 2: Watch the second animation, 'Number Bonds' on the same BBC Bitesize page. When it has finished, write down as many number bonds as you can. To challenge yourself, you could see how many you can remember in a minute, or how many you can remember for one particular number. For example, do you know all the number bonds that make 9, or all the number bonds that make 15?

Teaching video: Watch this video lesson for *Summer Term Week 4 (w/c 11th May) Lesson 4 - Bonds to 100 (tens and ones)* at <https://whiterosemaths.com/homelearning/year-2/>, pausing the video to answer the questions. How did you get on?

Activity 1: Answer the questions on the Numbots worksheet provided. Check your answers using the answer sheet provided. If you made any mistakes, can you work out what to do differently next time?

Activity 2: Answer the questions on the Whizzkids worksheet provided. For a challenge, you could time yourself to see how quickly you can do it. Check your answers using the answer sheet provided. If you made any mistakes, can you try again and work out the answer a second time?

Lesson 3 – Sharing

This lesson is based on the White Rose and BBC Bitesize lessons on **sharing equally and how it relates to division**.

You will need: some paper and a pen or pencil; a printed copy of the *Activity sheet*; if you would like to use objects rather than drawings to do your working out, you could get 20 small objects such as counters, pasta shapes or lego bricks.

Key words: sharing, divide, multiply, equal

Teaching video: Watch this video lesson for *Summer Term Week 6 (w/c 1st June) Lesson 2 - Sharing* at <https://whiterosemaths.com/homelearning/year-2/>, pausing the video to answer questions. How did you get on?

Activity: Answer the questions on the *Activity sheet* provided. Then check your answers using the *Answer sheet* document.

Need more practise? Watch the videos on the BBC Bitesize Lesson <https://www.bbc.co.uk/bitesize/articles/zfxtnrd>, pausing them to answer the questions. You will need some paper and a pencil or pen. If you are finding the questions tricky, you might want to have some objects to do the sharing activities rather than using drawings.

Lesson 4 – Grouping

This lesson is based on the White Rose and BBC Bitesize lessons on **how grouping equally relates to division**.

You will need: paper and a pen or pencil, a printed copy of the *Activity*; if you would like to use objects rather than drawings to do your working out, get 20 small objects such as counters, pasta shapes or lego bricks

Key words: groups, grouping, equal, divide, multiply

Teaching video 1: Watch this video lesson for *Summer Term Week 6 (w/c 1st June) Lesson 3 - Grouping* at <https://whiterosemaths.com/homelearning/year-2/>, pausing the video to answer questions. How did you get on?

Teaching videos 2 and 3: Watch both the videos on the BBC Bitesize page <https://www.bbc.co.uk/bitesize/articles/zhwmhg8>, pausing the video to work out the answers to each question. If you are confident that you understand grouping really well, and how it is different from sharing (see if you can explain it to a grown up to check), you could move straight on to doing the *Activity* sheet.

Activity: answer the questions on the *Activity* sheet, using some other paper or objects to do your working out if you need to. Then check your answers using the sheet provided. Did you make any mistakes? If so, can you work out why?

Lesson 5 – Odd and even numbers

This lesson is based on the White Rose and BBC Bitesize lessons on **sharing and grouping odd and even numbers**

You will need: paper, pencils or pens (two different colours if possible), some small objects to use as counters, a printed copy of *Activity 1*

Key words: odd, even, sharing, grouping, divide, multiply, times

Teaching video 1: Watch this video lesson for *Summer Term Week 6 (w/c 1st June) Lesson 4 – Odd and even numbers* at <https://whiterosemaths.com/homelearning/year-2/>, pausing the video to answer questions. How did you get on?

Teaching video 2: Watch Katie's video on the BBC Bitesize page <https://www.bbc.co.uk/bitesize/articles/zr23c7h>, pausing the video to work out the answers to each question. If you are confident that you understand sharing and grouping odd and even numbers really well, (see if you can explain all about it to a grown up to check), you could move straight on to doing the Activities.

Activity 1: answer the questions on the Activity sheet, then check your answers using the sheet provided.

Activity 2: answer the 6 questions on the interactive activity <https://kids.classroomsecrets.co.uk/resource/year-2-odd-and-even-numbers-game/>