

Maths Week 11 (w.c. 1.6.20)

<p>Message</p> <p>Hello Year 2,</p> <p>We hope you enjoyed revising and learning about fractions before half term. Some of you sent in your work and you did so well!</p> <p>This week, we are starting a unit of work all about money. If you have any real or toy coins or notes at home, it would be useful to collect them and have them handy when you are doing your maths lessons. But you can do all this week's lessons without them.</p> <p>By the end of the week, you will be able to recognise different coins and notes, count up amounts of money, and also compare and order amounts of money. You will also learn how to work out how much change you should get when you go shopping.</p> <p>Remember, you can send any of your learning to: year2@coleridgeprimary.net. We really love seeing what you have been up to.</p> <p>Take care, Ms Creamer, Mr Heidensohn, Miss Ibbotson and Mr Ibbotson</p>	<p>Parent Message</p> <p>Dear Parent,</p> <p>This week's maths is all about money. This topic is revision of some learning the children covered in December and January.</p> <p>This is another very practical unit, and if we were working on this at school, we would use lots of real and toy coins and notes. If you're able to use some real or toy money when doing the activities or discussing money, these will definitely help your children with this learning.</p> <p>We have used the excellent BBC Bitesize Year 2 lessons on money, which were posted on their website at the end of April, as the basis for most of this week's learning.</p> <p>Everyone's family situation and time available for home learning is different, so please feel free to tailor these lessons to suit your family. You could simply get your child to just watch the videos and skip the activities, or they could do one of the activities, or the whole lesson. Whatever works for you!</p> <p>Best wishes,</p> <p>The Year 2 Team</p>	<p>Website Links</p> <p>A sorting, ordering and counting game with coins: https://www.topmarks.co.uk/money/coins-game</p> <p>Toy shop money game with options to work out totals or amounts of change: https://www.topmarks.co.uk/money/toy-shop-money</p> <p>BBC Super Movers song to help young children learn about money: https://www.bbc.co.uk/teach/supermovers/ks1-maths-money/zht4nrd</p> <p>Calculation practice: Learn your times tables with TTRockstars (use your Numbots or TTRockstars login for this) https://play.trockstars.com/auth/school</p> <p>Practise your number facts with Numbots. https://play.numbots.com/#/intro</p>
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Lesson 1 - Recognising coins - BBC Bitesize daily lesson 27th April - <https://www.bbc.co.uk/bitesize/articles/z6tv382>

You will need: Paper and a pencil or pen. Four each of the following coins: 1p, 2p, 5p, three each of 10p, 20p, 50p, £1, £2 and one each of the following notes: £5, £10, £20. If you don't have real or toy coins or notes, you can use the document we have provided 'Coins and notes to print and cut out'. You could also use card and a felt tip pen to cut out and make coins and notes yourself.

Introduction video: Watch the 'Coin shapes' video about Bill and Bernie's coin sports here: <https://www.bbc.co.uk/bitesize/articles/z6tv382>. Can you name the coins they get out before Bill and Bernie do? Can you add up how much of Bill's money ends up in the river altogether?

Activity 1 (practical): Get your coins. What do you notice about the sizes and shapes of the coins? How many different shapes are there? What different amounts can you make with the coins you have? How much money do you have altogether? What do you think you could buy with it?

Activity 2 (video + practical): Make sure you have your coins and notes, some paper and a pencil or pen. Watch Katie make total amounts of money in this 7 minute Count Money Notes and Coins video:

<https://kids.classroomsecrets.co.uk/resource/count-money-notes-and-coins-video-tutorial/>

Try to make the same amounts as Katie with your own coins - you may need to pause the video to give you time to do this. Can you work out the amounts? At the end of the video, use your coins and notes to make and write out some more amounts of money.

Activity 3 (online game): Play Karate Cats maths <https://www.bbc.co.uk/bitesize/topics/zjkphbk/articles/zf4sscw>, choosing the Measurement topic. This will include questions about money but also ones on measuring length, capacity, time, mass and temperature. If you enjoy this game you could play it throughout the week, trying out the other topics, such as Fraction and Multiplication, as well.

Lesson 2 - Using coins to make an amount BBC Bitesize daily lesson 28th April - <https://www.bbc.co.uk/bitesize/articles/zn4q7nb>

You will need: All the coins you used yesterday, plus some more 1p and 2p coins if you can find them or cut them out. It would be good to have **10 x 1p coins** and **5 x 2p coins** in total today.

Introduction video: Watch the Making 40p video here: <https://www.bbc.co.uk/bitesize/articles/zn4q7nb>

Activity 1 (practical): Can you find five different ways to make 10p using your coins? Are there only five ways or can you think of some more? Challenge: How could you make sure you have thought of all the different ways to do it?

Activity 2 (written sheet): Answer the questions on this sheet: <https://bam.files.bbci.co.uk/bam/live/content/znvv382/pdf>

We have provided this as a document (called **Lesson 2 Activity 2**) for you to print out.

When you have finished, check your answers here: <https://bam.files.bbci.co.uk/bam/live/content/zb99kmn/pdf> or on the answer sheet (**Answers to Lesson 2 Activity 2**) we have provided.

Challenge: Could you make your own sheet of money questions? Send it in to your teacher!

Lesson 3- Compare amounts of money BBC Bitesize daily lesson 29th April - <https://www.bbc.co.uk/bitesize/articles/zjxmxyz>

You will need: All the coins you prepared and used earlier this week for lessons 1 and 2, a £20 note (if possible), some paper and a pen or pencil.

Introduction: To remind yourself of and practise the **greater than**, **less than** and **equals to** symbols, watch the Bitesize video on this page: <https://www.bbc.co.uk/bitesize/articles/zjxmxyz> then do 'Activity 1' just below it.

Now follow the 'Learn' slideshow Comparing Amounts of Money at the top of the same page <https://www.bbc.co.uk/bitesize/articles/zjxmxyz>. You may want to use your own coins to make the same amounts that Chomp does. When you have finished the slide show, make some different amounts with coins, putting them on a piece of paper, and then write the correct **greater than**, **less than** or **equals to** symbol in between them.

Activity 1 (written sheet): (This is Activity 2 on the BBC page). Make sure you have a £20 note and all the coins you have been using this week. Answer the questions on the sheet '**Lesson 3 Activity 1 Comparing money**'. You will need to use your note and coins for the last question. You could make a poster of all your different answers to the last question and send it in to your teacher.

Activity 2 (written sheet): (This is Activity 3 on the BBC page). Fill in the correct **greater than**, **less than** or **equals to** symbols on the sheet called '**Lesson 3 Activity 2 Add the symbols**'. There are four pages of questions. You can then mark your own work by checking the answers (these are on pages 5 - 8). If you made any mistakes, can you work out what went wrong?

Lesson 4- Working out how much change BBC Bitesize daily lesson 30th April <https://www.bbc.co.uk/bitesize/articles/z6gthbk>

Introduction: Warm up your brain and body by watching the song and dance video 'The money jiggle' here: <https://www.bbc.co.uk/bitesize/articles/z6gthbk>. Can you answer Mr Pumpernickel's questions before he gives the answers? You'll have to be quick!

Activity 1 (challenge cards): You are going to answer some questions about money using addition and subtraction. Remember that if you are being asked to work out how much some items cost **altogether**, you are going to need to use **addition**. If you need to work out how much **change** someone would get, or how much money will be **left** at the end, you are going to need to use **subtraction**.

Answer the questions on the challenge cards '**Lesson 4 Activity 1 Addition and Subtraction with change**'. For each one, there will be an addition or a subtraction number sentence that you will need to write down and work out. The number of stars on the cards show how tricky the questions will be. One star questions will be easier, three star questions will be the hardest. Mark your own work by checking your answers against the ones on the answer cards at the end. If you made any mistakes, can you work out what went wrong and try again?

Extra challenge: Write your own challenge cards, making up questions using addition, subtraction, money and change.

Activity 2 (written sheet): You are going to work out if you have been given the correct **change**. To do this, you will need to use **subtraction**. If you **subtract** the amount of **change** from the amount you **pay** the shopkeeper, it should **equal** the cost of what you want to **buy**. Is the amount correct? You may also need to use some **addition**, **multiplication** or **counting** skills to work out the different amounts on the sheet called '**Lesson 4 Activity 2 Check your change**'.

What a lot of good maths!

Activity 3 (interactive video): Have your coins ready and make sure you also have some paper and a pen or pencil.

Watch the 8 minute video <https://kids.classroomsecrets.co.uk/resource/year-2-two-step-problems-video-tutorial/> all about how to solve problems that have two parts to them. You'll be using both addition and subtraction here too!

Extra video and quiz: For some more examples and questions on working out change, watch the video and do the quiz here:

<https://www.bbc.co.uk/bitesize/topics/zp8dmp3/articles/z2s6hv4>

Lesson 5 - Investigation - <https://nrich.maths.org/186/note>

Make sure you have lots of paper and some pens or pencils. You could also use the coins you have been working with all week.

Buying a Balloon

Lola bought a balloon at the circus. She gave the clown six coins to pay for it. What could Lola have paid for the balloon? Which of your answers seems a reasonable amount to pay for a balloon?

What is the largest amount of money we could make with six coins?

What is the smallest amount we could make?

How will we know when we have all the possibilities?



- One way to make a start on this is to imagine Lola only has two types of coins - 1p and 2p. Can you make sure you have worked out all the possible amounts with only those coins? You could put each combination on a strip of paper and try to put them in an order to help you.
- When you are sure you have all the ways with 1p and 2p coins, can you work out the possible amounts if Lola had a different two types of coin - 1p and 5p for example, or 5p and 10p?

There are lots of possible answers to this question. How many have you found? What do you think Lola really did pay for the balloon?