Year 2 Maths Activities - Week Beginning 27.4.20.







| Again, in this example below, children could use their tens and ones, but they |
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| are taught that 25 is half of 50 as a number fact, so they hopefully would see |
| that they will get 25 p change, as the price of the item is half of the amount |
| they started with. |

Hundreds are shown as squares.

| Hundreds | Tens | Ones |
| :---: | :---: | :---: |
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|  |  |  |
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Children need to exchange the hundred into the tens column and recognise that when we do this, the hundred changes into ten 10 s. Children would do this by crossing out the 100 and drawing their ten 10s in the tens column (I have shown this by changing the colour of the 100, but children are used to crossing out).

Children would then need to exchange a ten into the ones column and remember to convert the ten into ten ones (again, shown by changing colour).

Once they have done all of their exchanging, they can calculate in exactly the same way by crossing out 5 ones and 6 tens. Their row at the bottom would look like this:

|  | 30 | 5 |
| :---: | :---: | :---: |

The hundreds are blank because we no longer have any hundreds. They can then see that $£ 1.00$ or 100 p, subtract 65 p is 35 p. they would get 35 p change.
Activity - See the Calculating Change Activity sheets.

| Activity 4 | Learning Objective: I can use my knowledge of fractions to help me tackle money problems. <br> Success Criteria: <br> - I can use my knowledge of money. <br> - I can use my knowledge of fractions. <br> - I can explain my reasoning. <br> Activity - Would you rather... <br> Answer the question and explain your reasons. Key words <br> because greater than less than <br> Would you rather have... <br> $\frac{1}{4}$ of $£ 20$ or $\frac{1}{2}$ of $£ 8$ <br> $\frac{1}{2}$ of $£ 1$ or $\frac{1}{4}$ of $£ 2$ <br> $1 / 3$ of $£ 15$ or $2 / 4$ of $£ 16$ <br> $\frac{3}{4}$ of $£ 40$ or $\frac{1}{2}$ of $£ 70$ <br> $\frac{1}{2}$ of 50 p or $\frac{1}{4}$ of 20 p <br> Guidance <br> Children have been taught to calculate fractions by sharing. So, in the first example, they would look at the bottom number in the fraction first (the denominator), to see how many groups they need to share into (4). They would draw 4 circles, then share the 20 between them. They know that the top number in the fraction tells us how many of those 4 groups we are interested in, so in this example we only want to know how many are in one group. <br> Children may not need to draw the groups at all. They may be able to use their multiplication and division facts instead, so they may know that 20 divided by 4 equals 5 , so $£ 5.00$. |
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| Activity 5 | Learning Objective: I can solve problems involving money. <br> Success Criteria: <br>  <br> $-\quad$ I can use my knowledge of money. <br>  <br> $-\quad$ I can use my knowledge of addition and subtraction. <br> Activity my reasoning. <br> Please see the Addition and Subtraction with Change Challenge Cards. <br> Children should need to use all of their knowledge about adding and <br> subtracting money in order to complete these. They may need to use <br> written methods to support some of their calculations. Alternatively, <br> they might be able to work out some of the answers mentally. If <br> calculating mentally, can they explain how they did it? As an extra <br> challenge, can they write sentences to explain how they solved the <br> problems, step by step? |
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