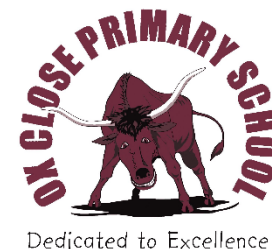


Maths Planning and Ideas



Week Commencing: Monday 11.05.2020

Year Group: Year 3

	Monday 11.05.2020	Tuesday 12.05.2020	Wednesday 13.05.2020	Thursday 14.05.2020	Friday 15.05.2020
Area of Learning	<u>LC: Can you problem solve fractions 1?</u>	<u>LC: Can you problem solve fractions 2?</u>	<u>LC: Can you problem solve challenges?</u>	<u>LC: Can you convert pounds to pence?</u>	<u>LC: Can you add money?</u>
Activity	<p>Starter: Times Table Rockstars</p> <p>Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group.</p> <p>Main: Go to the following website: https://whiterosemaths.com/homelearning/year-3/ Select Summer Term – Week 2 (w/c 27th April) Lesson 3 - Problem Solving. Watch the video. Pause if you need to take notes or replay sections to help with understanding.</p>	<p>Starter: Times Table Rockstars</p> <p>Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group.</p> <p>Main: Go to the following website: https://whiterosemaths.com/homelearning/year-3/ Select Summer Term – Week 2 (w/c 27th April) Lesson 4 - Problem Solving. Watch the video. Pause if you need to take notes or replay sections to help with understanding.</p>	<p>Starter: Times Table Rockstars</p> <p>Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group.</p> <p>Main: Go to the following website: https://www.bbc.co.uk/bitesize/articles/zd3q2sg</p> <p>Independent Task:</p>	<p>Starter: Times Table Rockstars</p> <p>Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group.</p> <p>Main: Go to the following website: https://whiterosemaths.com/homelearning/year-3/ Select Summer Term - Week 3 (w/c 4th May) Lesson 1 - Convert pounds and pence Watch the video. Pause if you need to take notes or replay sections to help with understanding.</p>	<p>Starter: Times Table Rockstars</p> <p>Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group.</p> <p>Main: Go to the following website: https://whiterosemaths.com/homelearning/year-3/ Select Summer Term - Week 3 (w/c 4th May) Lesson 2 - Add money Watch the video. Pause if you need to take notes or replay sections to help with understanding.</p> <p>Independent Task:</p>

<p>Independent Task: Children to complete activity found here: https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Lesson-3-Problem-Solving.pdf</p> <p>Answers can be found here: https://wrm-13b48.kxcdn.com/wpcontent/uploads/2020/homelearning/year-3/Lesson-3-Answers-Problem-Solving.pdf</p>	<p>Independent Task: Children to complete activity found here: https://wrm-13b48.kxcdn.com/wpcontent/uploads/2020/homelearning/year-3/Lesson-4-Problem-Solving.pdf</p> <p>Answers can be found here: https://wrm-13b48.kxcdn.com/wpcontent/uploads/2020/homelearning/year-3/Lesson-4-Answers-Problem-Solving.pdf</p>	<p>Children to complete activity on worksheet.</p> <p>Answers can be found here: https://www.bbc.co.uk/bitesize/articles/zd3q2sg Or at the bottom of the worksheet page.</p>	<p>Independent Task: Children to complete activity found here: https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y3-Lesson-1-Convert-pounds-and-pence-2019.pdf</p> <p>Answers can be found here: https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y3-Lesson-1-Answers-Convert-pounds-and-pence-2019-r2.pdf</p>	<p>Children to complete activity found here: https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y3-Lesson-2-Add-money-2019.pdf</p> <p>Answers can be found here: https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y3-Lesson-2-Answers-Add-money-2019.pdf</p>
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From Thursday of this week's planning the children will be recapping previous learning from earlier this year. The idea behind this is to consolidate children's understanding of key concepts to help prepare them for next year. We are aware that some children may already have a sound understanding of some of these areas of learning, while others will still need to practise them. For any children who are very confident in working through the White Rose worksheet, I have attached some additional activities at the bottom of the planning to further deepen children's understanding.

Problem Solving

 Your turn

1 The jug is $\frac{4}{7}$ full.



It needs 72 ml more to be full.

How much water can the jug hold in total?

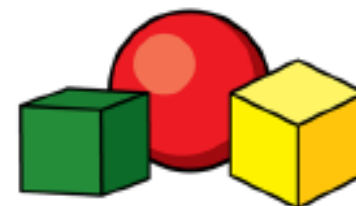
2 A box is full of spheres and cubes.

$\frac{5}{6}$ of the shapes are cubes.

$\frac{3}{4}$ of the cubes are yellow.

There are 60 yellow cubes in the box.

How many shapes are there in total?



Problem Solving

 Your turn



3 Complete the calculations.

$$\text{Yellow Circle} - \text{Green Triangle} = 11$$

$$\text{Yellow Circle} + \text{Yellow Circle} + \text{Yellow Circle} + \text{Yellow Circle} = 96$$

$$\text{Red Square} + \text{Yellow Circle} + \text{Green Triangle} =$$

$$\text{Green Triangle} + \text{Red Square} = 16$$

4 An apple and banana cost the same as two pears.

Three pears cost £1.20

A pear costs 12p more than an apple.

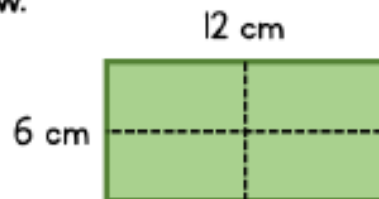
What is the cost of a banana?

Problem Solving



1 A rectangle has a length of 12 cm and a width of 6 cm.

It is cut in quarters like shown below.



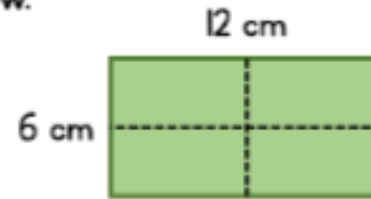
The four parts are put together to make the following shape.



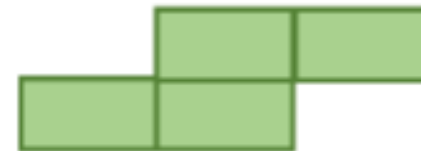
What is the perimeter of the new shape?

2 A rectangle has a length of 12 cm and a width of 6 cm.

It is cut in quarters like shown below.



The four parts are put together to make the following shape.



What other perimeters could be made?

Problem Solving



Your turn



3 There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of yellow and blue counters.

How many of each colour are there?



4 There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of red and blue counters.

How many of each colour are there?



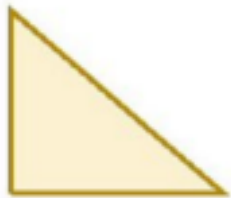
Challenge 1

This is half of Lee's strawberries.



How many strawberries does Lee have?

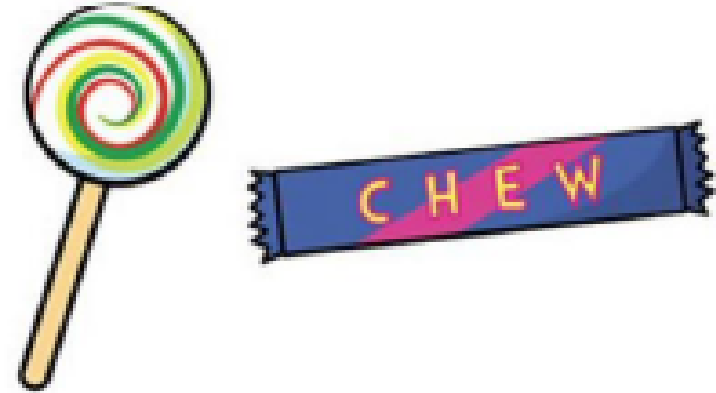
This is half of Lee's shape.



What could the whole shape look like?

Challenge 2

Tim buys a lolly and a chew.



The lolly costs 12p more than the chew.

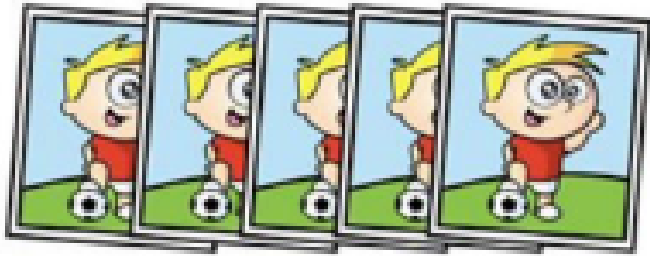
The total cost of the two items is 82p.

How much does the lolly cost?

Challenge 3

Stickers come in packs of 5.

Max buys 12 packs.



He gave his three friends some stickers.

They each receive the same number.

He has 27 stickers left.

How many stickers did Max give each of his friends?

Challenge 4

Here are 3 containers.



- The jug can hold **1500 ml**.
- The bucket can hold **2 litres**.
- The barrel can hold **15 litres**.

Anisa wants to fill the barrel with water.

Find 2 ways that Anisa can fill the barrel using the jug and bucket.

Wednesday 13.05.2020 Answers

Challenge 1 - 8 strawberries



Challenge 2 - 47p

Challenge 3 - 11 cards

Challenge 4 - 2 jugs and 6 buckets, 6 jugs and 3 buckets, or 10 jugs

Convert pounds and pence

1 a) Circle £1



b) Circle £1



c) Circle £1



d) Circle £10



2 How many 1p coins do you need to make £1?

3 Write the price of each item in pence.



p



p



p

4 Write each amount in pounds and pence.

a) 274p = £ and p b) 592p = £ and p

374p = £ and p 591p = £ and p

474p = £ and p 590p = £ and p

c) $111\text{p} = \text{£} \square \text{ and } \square \text{p}$

d) $405\text{p} = \text{£} \square \text{ and } \square \text{p}$

5 Annie has some coins.



a) How much money does Annie have? $\text{£} \square \text{ and } \square \text{p}$

b) What is 10p more? $\text{£} \square \text{ and } \square \text{p}$

What is 10p less? $\text{£} \square \text{ and } \square \text{p}$

c) What is 100p more? $\text{£} \square \text{ and } \square \text{p}$

What is 100p less? $\text{£} \square \text{ and } \square \text{p}$

6 What amount is represented in each box?



$\text{£} \square \text{ and } \square \text{p}$



$\text{£} \square \text{ and } \square \text{p}$



$\text{£} \square \text{ and } \square \text{p}$



7 Eva empties out her money box.

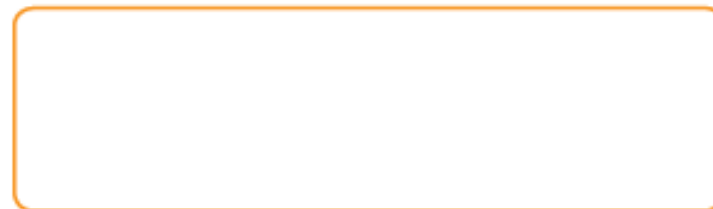


How much money was in her money box? $\text{£} \square \text{ and } \square \text{p}$

How did you count the coins? Compare with a partner.

8 a) What is the fewest number of coins you can use to represent 315p?

b) Use 6 coins to make an amount that is more than £3, but less than £4. Draw your answer.



Compare answers with a partner.



Challenge

1) Using coins, find three ways to make £1.

2) Different answers

I have less than 50p.

You need at least 5 coins to make this amount of money.

How much money do I have?

Level 1: I can find a possible amount

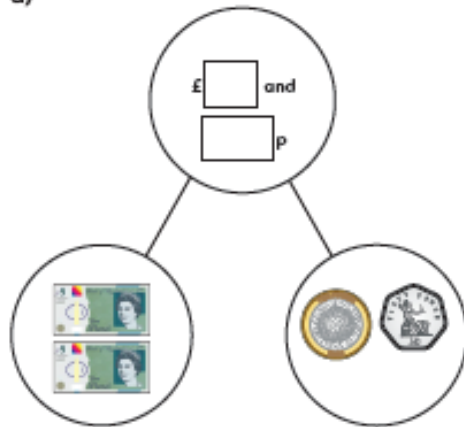
Level 2: I can find different possible amounts

Level 3: I have found all the possible amounts

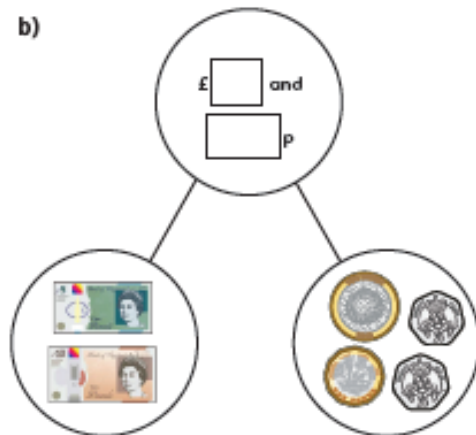
Add money

1 Complete the part-whole models.

a)



b)



2 Dora buys two birthday cards.



Complete the sentences to show how much money Dora spends.

$$£ \square + £ \square = £ \square$$

$$\square \text{ p} + \square \text{ p} = \square \text{ p}$$

Dora spends £ and p.

3 Complete the number sentences.

a) £3 and 12p + £5 and 12p = £ and p

b) £3 and 30p + £5 and 30p = £ and p

c) £3 and 50p + £5 and 50p = £ and p

d) £4 and 50p + £5 and 50p = £ and p


What do you notice?



- 4 Brett has £6 and 55p.
Asha has £2 and 55p.
How much money do they have altogether?

£ and p

- 5 Annie and Alex are having pizza for lunch.

Tomato pizza	£5 and 40p	
Vegetable pizza	£7 and 75p	
Potato wedges	£1 and 79p	
Cheese bites	£2 and 83p	

- a) Annie orders a tomato pizza and cheese bites.
How much does it cost?

£ and p

- b) Alex has £10

She wants to buy potato wedges and a vegetable pizza.

Does she have enough money? _____

Explain your answer.

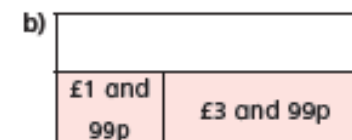
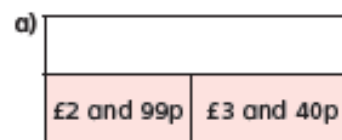


- 6 Mo buys a cap for £6 and 50p.
He also buys a key ring.
He spends £10 in total.
How much does the key ring cost?



£ and p

- 7 Complete the bar models.



- 8 Eva has £6 to spend.



What can Eva buy?

Compare answers with a partner.



Challenge

1

True or False?

You can make the combined total of one doll and one teddy using only 3 coins.



2

The children want to add the 3 amounts together.

£1.11

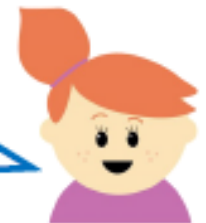
86p

£2.25



You have to start with the biggest number. It is always easier that way.

I always add the pounds first then add the pence after.



Who do you agree with?

Who has the most efficient way of adding these numbers?

Answers

1) True

$$£2.50 + £1.60 = £4.10$$

£4.10 can be made with 2 £2 coins and a 10p coin.

2) I agree with Millie

Ranjit's method would work but Millie's is more efficient.

Millie's method is more efficient because $£1 + £2 = £3$ then $86p + 11p = 97p$. When you add the 25p, you are only crossing the tens barrier once so $97p + 5p = £1.02 + 20 = £1.22 + £3 = £4.22$

Where can I complete further work?

[Twinkl](#) – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

[Classroom Secrets](#) – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

[White Rose Maths](#) – Free Maths home learning resources for all ages. Watch the videos and try the questions.

[Primary Stars](#) – Free Maths home learning packs for Year 1 and 2.

[BBC Bitesize Primary](#) – Free learning resources available for KS1 and KS2 across all subjects.

[I See Maths](#) – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

[Top Marks](#) – Free educational resources and games for English and Maths.

[ICT Games](#) – Free educational resources and games for English and Maths.