Maths Planning and Ideas

Week Commencing: 18th May 2020

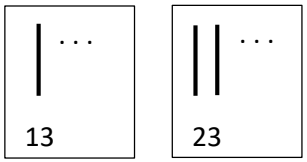
Year Group: 2

Note to parents:

This week's planning will be continuing to recap previous learning from earlier this year. The idea behind this is to consolidate children's understanding of key concepts in order to help prepare them for next year.

Some children will find the White Rose activity sheets straightforward, but some of the activities this week are more challenging. If your child is finding the worksheet too challenging, I have attached an 'alternative activity' each day. As always, these sheets are provided to try and support the needs of all pupils, as far as we can. Please remember that if you have any questions or concerns, you can email me at ***oxcloseyear2@durhamlearning.net*** ***Mrs Phillips***

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you add and subtract tens?	LC: Can you add 2-digit numbers?	LC: Can you subtract 2-digit numbers?	LC: Can you find bonds to 10?	Challenge Day
Activity	**Starter:** Times Table Rockstar *Battle of the Bands and Garage challenges have been set for Y2 children.* **Main:** • Please follow the link below to find the White Rose resources. We are using Summer Term – Week 4 – Week commencing 11. 5. 20. • https://whiterosemaths.com/homelearning/year-2/ • Please complete lesson 1. • Watch the video and then complete the worksheet. This is attached in the	**Starter:** This week I have included some links to times tables games. You try some of the games and practise your 5x table on them. https://www.topmarks.co.uk/maths-games/hit-the-button . https://www.topmarks.co.uk/maths-games/mental-maths-train https://www.topmarks.co.uk/times-tables/coconut-multiples **Main:**	**Starter:** Times Table Rockstar *Battle of the Bands and Garage challenges have been set for Y2 children.* **Main:** • Please follow the link as yesterday and complete lesson 3. • Watch the video and then complete the worksheet. This is attached in the 'Supporting resources' below the planning. **Key Questions to discuss with children:**	**Starter:** Choose some of the times table games to play, listed on Tuesday's plan. **Main:** • Please follow the link as yesterday and complete lesson 4. • Watch the video and then complete the worksheet. This is attached in the 'Supporting resources' below the planning. **Key Questions to discuss with children:**	**Starter:** Times Table Rockstar *Battle of the Bands and Garage challenges have been set for Y2 children.* **Independent** Today I would like you to complete the Emoji codebreaking worksheet. It uses lots of skills we have been practising this week. I hope you enjoy this.

	'Supporting resources' below the planning. **Key Questions to discuss with children:** *Which column changes?* *Which column stays the same?* *What do you notice about the ones?* *What do you notice about the tens?* **Independent:** Please complete the worksheet. You can write on paper if you do not want to print out the sheet. There are a small selection of extension activities if you wish to use them this week. They are attached at the end of the 'supporting resources'.	• Please follow the link as yesterday and complete lesson 2. • Watch the video and then complete the worksheet. This is attached in the 'Supporting resources' below the planning. • PLEASE NOTE : The video and the worksheet talk about using 'Base ten'. In the classroom we call this resource 'Dienes'. It is simple 'sticks' which make 10 and individual small blocks which are 'ones'. You could use what you have at home to make tens and ones eg: 1 straw = 10, lego blocks are 1s, or you could ask children to draw their tens and ones. We have done this lots of times in the classroom, an example of what it looks like is below.  **Key Questions to discuss with children:** *What other numbers make the same total?* *Do you notice a pattern?*	*What is the same?* *What is different?* *What relationship is there between the numbers?* **Independent:** Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet.	*What happens to the size of a number when we add to it?* *What happens to a number when we take away?* **Independent:** Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet.	

		Independent: Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet.			

Supporting Resources for Maths

Monday 18th May: Worksheets

Add and subtract 10s

1 **a)** Eva has some marbles.

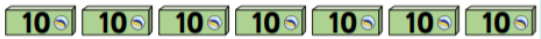
How many marbles does Eva have?

Eva has ☐ marbles.

She buys 3 more boxes of marbles.

How many marbles does she have now? ☐

b) Teddy has some marbles.



How many marbles does Teddy have?

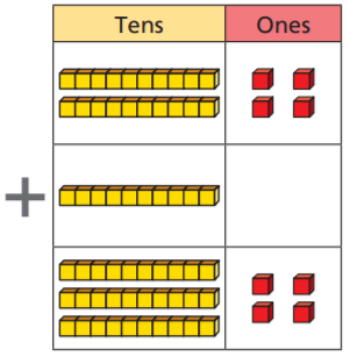
Teddy has ☐ marbles.

He gives 5 boxes of marbles to his friend.

How many marbles does he have now? ☐

2 What calculation is represented?

Complete the number sentence.



		T	O
		2	4
+		1	0
		3	4

☐ + ☐ = ☐

3 Use base 10 to complete the calculations.

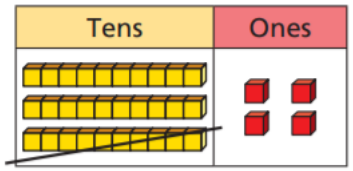
a) 24 + 20 = ☐

b) 17 + 50 = ☐

c) 40 + 16 = ☐

4 What calculation is represented?

Complete the number sentence.



		T	O	
		3	4	
	–	1	0	
		2	4	

☐ – ☐ = ☐

5 Use base 10 to complete the calculations.

a) 34 – 20 = ☐

b) 57 – 20 = ☐

c) 46 – 40 = ☐

6 Huan has 6 stickers.

He gets 10 new stickers every day for 8 days.

How many stickers will Huan have after 8 days?

Use the number track to help you.

6								

Huan will have ☐ stickers.

7 ★ = 30 ☾ = 10 ☀ = 40

Complete the calculations.

a) ★ + ☀ = ☐

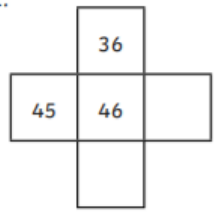
b) ★ – ☾ = ☐

c) ☀ – ★ = ☐

Monday – alternative sheet

B. Can you fill in the missing numbers in these pieces snipped from number squares? Don't forget you can have number squares that are bigger than 0-100

1.



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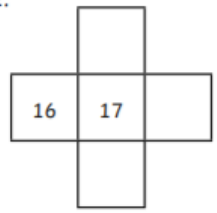

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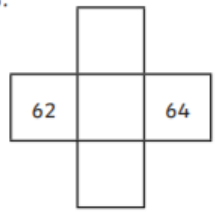

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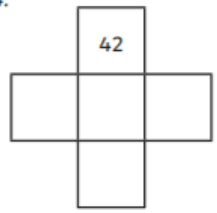

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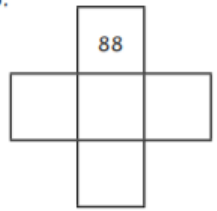

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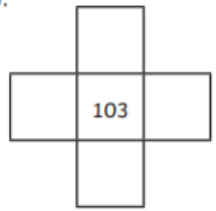

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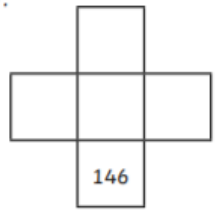

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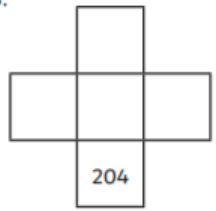


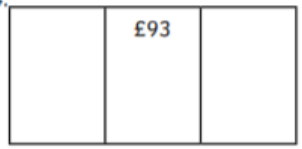
C. Look at the amounts these children have saved. How much would they have if they spent £10 or if they saved £10 more?

1.

2.

3.

4.



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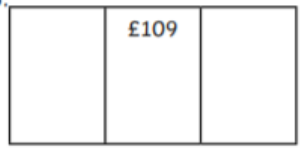

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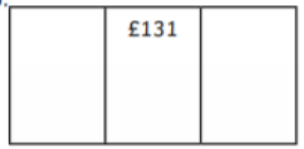

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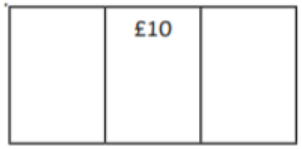

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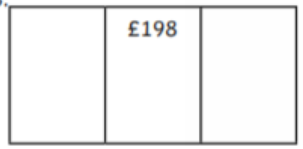


Tuesday 19th May : Worksheet

Add 2-digit numbers (2)

1 Count the ones and complete the sentences.

a) 

☐ ones = ☐ ten

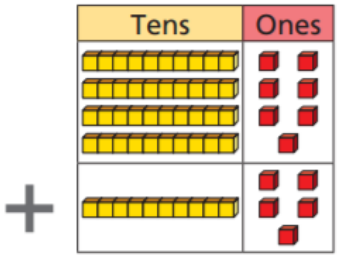
b) 

☐ ones = ☐ ten and ☐ ones

c) 

☐ ones = ☐ ten and ☐ ones

2 Complete the additions.



☐ ones + ☐ ones = ☐ ones

☐ ones = ☐ ten + ☐ ones

☐ tens + ☐ tens = ☐ tens

☐ + ☐ = ☐

3 Use base 10 to complete the additions.

a) 7 + 4 = ☐

b) 10 + 30 = ☐

c) 17 + 34 = ☐

d) 19 + 21 = ☐

e) 18 + 64 = ☐

f) 37 + 14 = ☐

g) 22 + 19 = ☐

h) 48 + 19 = ☐

i) 33 + 29 = ☐

j) 39 + 47 = ☐

4 Write the addition.

	T	O
	4	6
+	1	5
	6	1
	1	

☐ + ☐ = ☐

What does the little 1 represent?

Talk to a partner.

5 Complete the additions.

a)

	T	O
	5	7
+	1	5

b)

	T	O
	1	8
+	1	9

c)

	T	O
	1	7
+	7	3

d)

	T	O
	6	3
+	1	9

6 Fill in the missing digits to complete the number sentence.

_9 + _3 = 62

Compare answers with a partner.

How many different answers can you find?

Tuesday – alternative activity

set 2

Adding Two Two-Digit Numbers

36 + 33 =

First add ones: _____ + 3 = _____

Then add tens: 30 + _____ = _____

Add both the answers together: _____ + _____ = _____

set 2

Adding Two Two-Digit Numbers

53 + 44

First add ones: _____ + 4 = _____

Then add tens: 50 + _____ = _____

Add both the answers together: _____ + _____ = _____

set 2

Adding Two Two-Digit Numbers

62 + 21 =

First add ones: _____ + 1 = _____

Then add tens: 60 + _____ = _____

Add both the answers together: _____ + _____ = _____

set 2

Adding Two Two-Digit Numbers

45 + 32 =

First add ones: _____ + 2 = _____

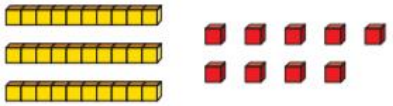
Then add tens: 40 + _____ = _____

Add both the answers together: _____ + _____ = _____

Wednesday 20th May: Activity

Subtract 2-digit numbers (2)

1 **a)** What number is represented?

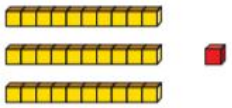


Subtract 12

What number is left? ☐

☐ − 12 = ☐

b) What number is represented?



Subtract 12

What number is left? ☐

☐ − 12 = ☐

c) What is the same about part a) and part b)?
What is different?

2 Use base 10 to complete the subtractions.

a) 23 − 6 = ☐

b) 33 − 7 = ☐

c) 33 − 17 = ☐

d) 45 − 26 = ☐

e) 63 − 35 = ☐

f) 82 − 24 = ☐

3 Tommy is working out 23 − 5

	T	O
	~~1~~2	13
−		5
	1	8

Talk about Tommy's method with a partner.

Use Tommy's method to complete the subtractions.

a)

	T	O
	2	3
–		6

b)

	T	O
	3	3
–		7

c)

	T	O
	3	3
–	1	7

d)

	T	O
	4	5
–	2	6

e)

	T	O
	6	3
–	3	5

f)

	T	O
	8	2
–	2	4

4 Dexter has 33 bricks.

Rosie has 19 bricks.

a) How many bricks do Dexter and Rosie have altogether?

b) How many more bricks does Dexter have than Rosie?

Wednesday – alternative activity

f.			g.			h.			i.			j.		
	2	6		3	2		2	9		4	2		2	7
-	1	3	-	2	0	-	1	4	-	1	2	-	2	3

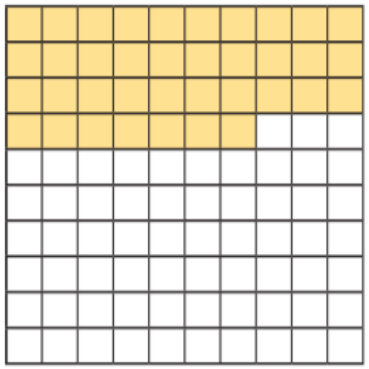
k.			l.			m.			n.			o.		
	2	7		3	8		4	8		3	3		3	9
-	1	2	-	2	7	-	3	6	-	1	3	-	2	1

p.			q.			r.			s.			t.		
	4	6		5	8		6	3		7	6		5	9
-	2	2	-	2	5	-	3	1	-	5	5	-	3	7

Thursday 21st May: Activity

Bonds to 100 (tens and ones)

1 Here is a hundred square.



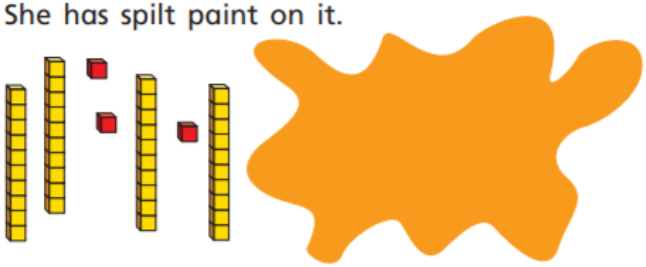
How many squares are shaded? ☐

How many squares are not shaded? ☐

☐ + ☐ = 100

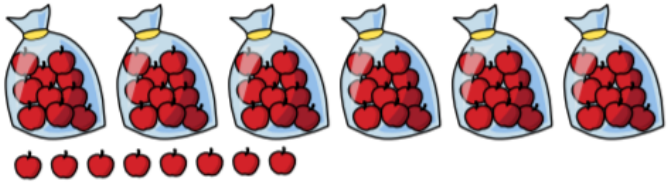
2 Eva has made 100 using base 10

She has spilt paint on it.



Draw the missing pieces of base 10

3 Mrs Harris has these apples for Sports Day.

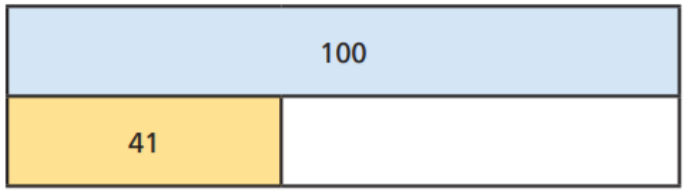


She needs 100 apples.

How many more apples does Mrs Harris need?

☐

4 Complete the bar model.



5 Complete the calculations.

a) 40 + ☐ = 100

b) ☐ + 70 = 100

c) 100 = ☐ + 72

d) 100 = 28 + ☐

e) 100 − 50 = ☐

f) 100 − 37 = ☐

g) ☐ = 100 − 22

h) 8 = 100 − ☐

6 A coat costs £100

Mr Farmer has £58

How much more money does Mr Farmer need to buy the coat?

☐

7 Whitney is working out 38 + ☐ = 100

The missing number is 72 because I need 2 more ones and 7 more tens.

Do you agree with Whitney? _____

Explain your answer

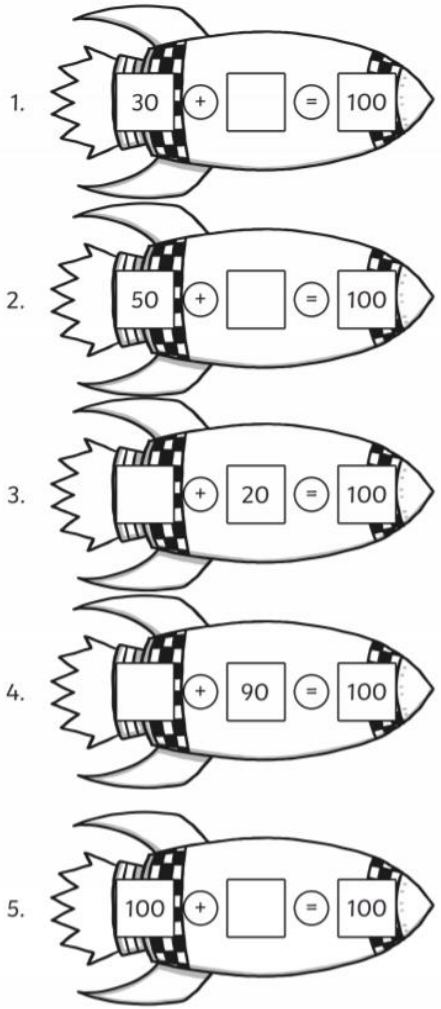
_____

_____

Talk about it with a partner.

Thursday – alternative activity

Can you find the missing numbers to make a total of 100?



Friday 22nd May

Emoji Code Breaking

									
0	1	2	3	4	5	6	7	8	9

Example:  +  = **30**

23 **7**

1.  = ☐

5.  = ☐

2.  = ☐

6.  = ☐

3.  = ☐

7.  = ☐

4.  = ☐

8.  = ☐

Friday's activity – answers

Emoji Code Breaking **Answers**

1.  +  = **40**

   36 **4**

2.  +  = **25**

   15 **10**

3.  -  = **40**

   46 **6**

4.  +  +  = **17**

   8 **2** **7**

5.  +  = **40**

   31 **9**

6.  -  = **45**

   50 **5**

7.  -  = **28**

   38 **10**

8.  -  = **46**

   66 **20**

Extension activities:

Number Facts within 100 4.

Number Facts

Look at these number sentences.

$6 + 3 = 9$ $60 + 30 = 90$

What other number facts do you know related to this number sentence below?

$5 + 5 = 10$

Write a number sentence for a friend.
Can they give you any related number facts?
Ask them to prove they are right.

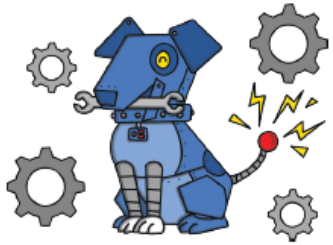
Number Facts within 100 5.

Number Bonds

Draw pictures or use equipment to model number bonds to 16.

Ask a friend to tell you what number bonds you have represented.

Can they represent them in a different way?



Number Facts within 100 6.

Number Facts

Look at these number sentences.

$8 - 2 = 4$ $80 - 20 = 40$

What other number facts do you know related to this number sentence below?

$9 - 4 = 5$

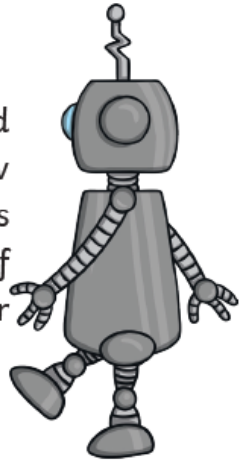
What other number facts can a friend come up with? Compare how you found the number facts.

Number Facts within 100 7.

All the Possibilities

$2 + 5 = 7$ $12 + 5 = 17$

Can you see a pattern? What would the next number sentence be? How far can you continue with this sequence? What would happen if you added 10 to the second number instead?



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.