MOORSIDE

Year 2 Home Learning for 7.1.21 – 15.1.21

Maths

Your maths for the next week will be recapping our learning on addition and subtraction which we started before Christmas. Start each day by watching the videos on the White Rose website (Autumn Term Week 8). I want to make sure (by recapping and reinforcing) that we have fully understood this concept. This will make it easier for us to make links to future learning. Then complete the sheets in your pack.

https://whiterosemaths.com/homelearning/year-2/week-8-number-addition-subtraction/

Play this game on Top Marks – Robot addition. This will help with number bonds to 20. If you find this easy, why not time yourself to see how quickly you can get all the questions correct.

https://www.topmarks.co.uk/addition/robot-addition

Thursday 7th January – Add 2-digit numbers not crossing 10.

Friday 8th January – Add 2-digit numbers crossing 10.

Monday 11th January – Subtract 2-digit numbers not crossing 10.

Tuesday 12th January – Subtract 2-digit numbers crossing 10.

Wednesday 13th January – Mixed addition and subtraction activity.

For Thursday 14th and Friday 15th, follow the first two videos on:

https://whiterosemaths.com/homelearning/year-2/week-9-number-addition-subtraction/

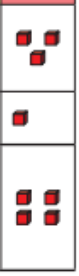
Thursday 14th January – Find and make number bonds.

Friday 15th January – Bonds to 100 (tens and ones).

Thursday 7th January part 1

Add 2-digit numbers (1)

1 What calculation is represented?

Tens	Ones
	

+ ☐ + ☐ = ☐

2 Use base 10 to complete the additions.

a) 7 + 2 = ☐

b) 10 + 30 = ☐

c) 17 + 32 = ☐

d) 37 + 12 = ☐

e) 21 + 13 = ☐

f) 48 + 11 = ☐

g) 17 + 22 = ☐

h) 13 + 61 = ☐

i) 11 + 22 = ☐

j) 34 + 43 = ☐

3 Write the addition.

	T	O
	4	6
+	1	3
	5	9

☐ + ☐ = ☐

4 Complete the additions.

a)

	T	O
	5	1
+	1	2

b)

	T	O
	1	2
+	1	5

Thursday 7th January part 2

c)

	T	O
	1	7
+	8	2

d)

	T	O
	6	3
+	1	2

5 Ron has 42 marbles.

Whitney has 23 marbles.

How many marbles are there altogether? ☐

6 a) Amir has 11 sweets.
Esther has 14 more sweets than Amir.
How many sweets does Esther have?

Esther has ☐ sweets.

b) How many sweets do they have altogether?

They have ☐ sweets altogether.

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

_2 + _3 = 65

Compare answers with a partner.
Are there any other answers?

8 Write <, > or = to compare the additions.

17 + 52 ◯ 15 + 54

31 + 14 ◯ 42 + 14

23 + 45 ◯ 13 + 45

Friday 8th January part 1

Add 2-digit numbers (2)

1 Count the ones and complete the sentences.

a) 

☐ ones = ☐ ten

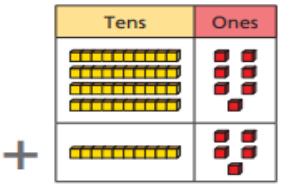
b) 

☐ ones = ☐ ten and ☐ ones

c) 

☐ ones = ☐ ten and ☐ ones

2



Add the ones.

☐ ones + ☐ ones = ☐ ones

☐ ones = ☐ ten + ☐ ones

Add the tens.

☐ tens + ☐ tens = ☐ tens

Complete the addition.

☐ + ☐ = ☐

Friday 8th January part 2

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 = ☐

Can you represent these additions on a number line?

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

c)

	T	O
	1	7
+	7	3

b)

	T	O
	1	8
+	1	9

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?

Monday 11th January part 1

Subtract 2-digit numbers (1)

1 Complete the sentences to describe each step of the subtraction.

First the number is ☐

Then ☐ is crossed out.

Now the number is ☐

☐ – ☐ = ☐

2 Draw base 10 to represent the number 35

Now cross out 12

What number is left?

35 – 12 = ☐

3 Use base 10 to complete the subtractions.

a) 7 – 2 = ☐

b) 30 – 10 = ☐

c) 37 – 12 = ☐

d) 47 – 12 = ☐

e) 48 – 11 = ☐

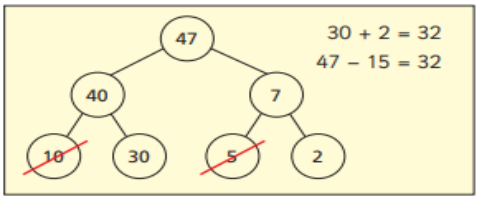
f) 27 – 16 = ☐

g) 63 – 61 = ☐

h) 45 – 33 = ☐

Monday 11th January part 2

4 Jack is working out 47 – 15



Talk about Jack's method with a partner.

Use Jack's method to complete the calculations.

a) 47 – 16 = ☐

b) 36 – 22 = ☐

c) 37 – 15 = ☐

d) 57 – 31 = ☐

5 Complete the subtractions.

a)

	T	O
	5	2
–	1	1

b)

	T	O
	1	5
–	1	2

c)

	T	O
	8	7
–	3	4

d)

	T	O
	6	3
–	5	2

6 Rosie has 25 balloons.

Scott has 11 fewer balloons than Rosie.

How many balloons does Scott have?

☐

How many balloons do they have altogether?

☐

Tuesday 12th January part 1

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 = □

What is the same about your answers?

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 43 − 5

	T	O
	~~3~~ 4	13
−		5
	3	8

Talk about Tommy's method with a partner.

Tuesday 12th January part 2

4 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

5 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 13th January part 1

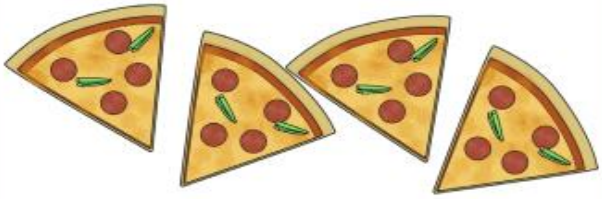
Addition and Subtraction Word Problems

Challenge Cards

twinkl

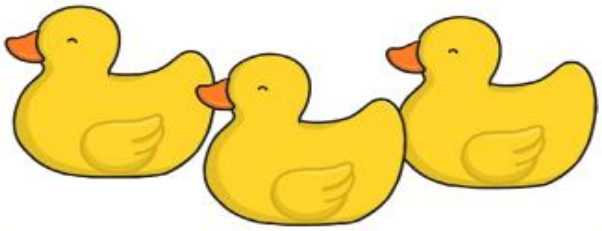
Addition and Subtraction to 100 Word Problems

1. If you have 67 slices of pizza and 15 slices are eaten, how many slices would you have left?



Addition and Subtraction to 100 Word Problems

2. If you have 72 rubber ducks and are given another 17, how many rubber ducks would you have?



Addition and Subtraction to 100 Word Problems

3. If you have 100 flowers and give 34 of them away, how many would you have left?

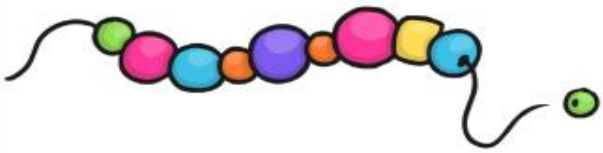
Wednesday 13th January part 2

Addition and Subtraction to 100 Word Problems

4. If you invite 53 people to a party and 24 of them say they can't come, how many people will be at the party?

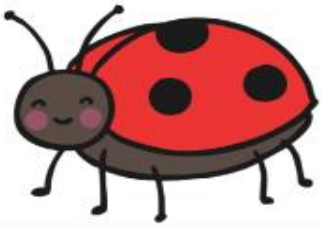
Addition and Subtraction to 100 Word Problems

5. If you find 49 wooden beads under the sofa and then find another 50 in a box, how many beads would you have?



Addition and Subtraction to 100 Word Problems

6. If you count 85 ladybirds in your garden and 21 fly away, how many ladybirds would be left?



Addition and Subtraction to 100 Word Problems

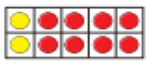
7. If you have 47 pennies and you find another 13 in your pocket, how many pennies would you have?

Thursday 14th January part 1

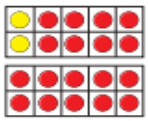
Find and make number bonds

1 Complete the additions to match the ten frames.

a)



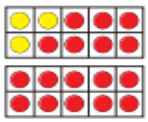
__ + __ = __



__ + __ = __

b)

__ + __ = __



__ + __ = __

c) What do you notice?

Thursday 14th January part 2

2 Complete the number bonds.

a) 4 + 6 = __

4 + 16 = __

b) 5 + 5 = __

5 + 15 = __

c) 10 = __ + 1

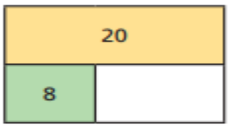
20 = __ + 1

d) 10 = 3 + __

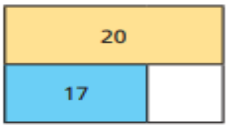
20 = __ + 13

3 Complete the bar models.

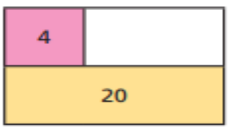
a)



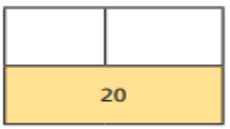
b)



c)



d)



Thursday 14th January part 3

4 Colour all the number bonds to 20

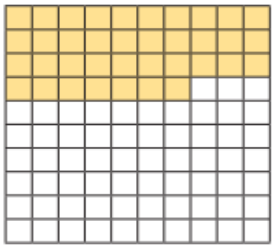
14 + 3	17 + 3	2 + 18	0 + 20	3 + 16	9 + 11	17 + 3	18 + 2	2 + 0
18 + 1	3 + 7	12 + 7	5 + 15	4 + 8	1 + 19	13 + 5	20 + 0	1 + 15
11 + 8	11 + 9	19 + 1	3 + 17	10 + 0	13 + 7	16 + 2	8 + 12	5 + 5
5 + 6	4 + 16	19 + 0	10 + 1	2 + 0	14 + 6	17 + 1	11 + 9	11 + 8
12 + 5	12 + 8	18 + 2	15 + 5	4 + 15	16 + 4	10 + 10	15 + 5	13 + 3

Make your own puzzle like this.

Friday 15th January part 1

Bonds to 100 (tens and ones)

1 Here is a hundred square.



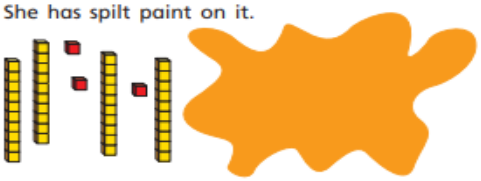
How many squares are shaded? ☐

How many squares are not shaded? ☐

☐ + ☐ = 100

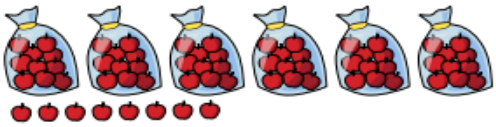
2 Eva has made 100 using base 10

She has spilt paint on it.



Draw the missing pieces of base 10

3 Mrs Harris has these apples for Sports Day.



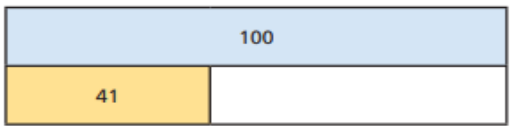
She needs 100 apples.

How many more apples does Mrs Harris need?

☐

Friday 15th January part 2

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.

I am looking forward to seeing all your exciting learning!

Take Care,

Mrs Burland