Maths Planning and Ideas

Week Commencing: 8th June 2020

Year Group: 2

Note to parents:

This week's planning will be recapping multiplication which is something we have already covered 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. 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. Hope you are all well. Mrs Phillips.

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you use x to show a multiplication number sentence?	LC: Can you use arrays to show multiplication?	LC: Can you solve problems with the 2x table?	LC: Can you add and subtract ones?	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 5 – Week commencing 18. 5. 20. • https://whiterosemaths.com/homelearning/year-2/ • Please complete lesson 1. • Watch the video and then complete the worksheet.	**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 2. • Please watch the video and then complete the worksheet. • Watch the video and then complete the worksheet. • These are attached at the end of the planning.	**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. • Please watch the video and then complete the worksheet. • Watch the video and then complete the worksheet. • These are attached at the end of the planning.	**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 4. • Please watch the video and then complete the worksheet. • Watch the video and then complete the worksheet.	**Starter:** Times Table Rockstar *Battle of the Bands and Garage challenges have been set for Y2 children.* **Main:** • Today I would like you to make a game with multiplication facts. • Use the board template or make your own. • An example of a game is…..

	• These are attached at the end of the planning. **Key Questions to discuss with children:** *What does 'lots of' mean?* *What* *How is 2+2+2 the same as 3x2? How is it different?* **Independent:** Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet. **Extension activities:** There are some extension activities attached to the end of the resources section if you wish to use them or alternatively, **if you follow the link below it will take you to a range of questions that will extend children's thinking.** https://kasejos.exampro.net/	**Key Questions to discuss with children:** *How would you show 2 lots of 3? How does this diagram show 3 lots of 2?* **Independent:** Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet. Please see Monday's plan for advice on extension activities.	**Key Questions to discuss with children:** *How many 2s go into 16?* *How many 2p pieces would you need to make 18p?* **Independent:** Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet. Please see Monday's plan for advice on extension activities.	• These are attached at the end of the planning. **Key Questions to discuss with children:** *How many 5s in 35?* *How many 5p pieces are needed to make 20p?* **Independent:** Please complete the worksheet. You can write your answers on paper if you do not want to print out the sheet. Please see Monday's plan for advice on extension activities.	Write 2x questions on red cards and 5x questions on orange cards. Roll a dice and count on that number of squares. If you land on a red square you must answer a 2x table question. If you land on an orange square you answer a 5x table question. If you get it right, you move forward one space, wrong you move back one space. You could make it more challenging by giving yourself a time limit for answering the questions. Or maybe you could include some missing number questions eg: __ x 2 = 16. If you don't have a dice, just cut out some numbers 1 – 6 and place the cards face down to pick a number from them. I hope you can use the skills you have practised this week and enjoy this activity.

Supporting Resources for Maths

Monday 8th June

LC: Can you use *x* symbol?

Multiplication sentences using the × symbol

White Rose Maths

1 Complete the sentences.

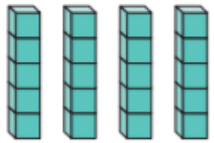
a)

There are ☐ equal groups with ☐ in each group.

☐ + ☐ + ☐ = 18

☐ × ☐ = 18

b)



There are ☐ equal groups with ☐ in each group.

☐ + ☐ + ☐ + ☐ = 20

☐ × ☐ = 20

c)

There are ☐ equal groups with ☐ in each group.

☐ + ☐ = 8

☐ × ☐ = 8

Monday 8th June (continued)

2 Complete the table.

The first one has been done for you.

Addition	Multiplication
2 + 2 + 2 + 2	4 × 2
5 + 5 + 5	
3 + 3 + 3 + 3 + 3	
	2 × 10

3 Complete the pattern.

5 × 2 = 5 + 5 = ☐

5 × 3 = 5 + 5 + 5 = ☐

5 × 4 = 5 + 5 + 5 + 5 = ☐

5 × 5 = _____ = ☐

What comes next?

4 The total is 16

What could the addition and multiplication be?

_____

_____

5 Use counters to help you complete the number sentences.

a) 3 × ☐ = 12

b) ☐ × 4 = 8

c) 2 × ☐ = 10

Tuesday 9th June

LC: Can you use arrays to show multiplication?

Use arrays

1 How many pears are there?

□ + □ + □ = □

□ × □ = □

There are □ pears.

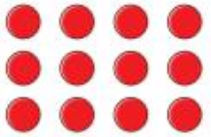
2 How many stars are there?

□ + □ = □

□ × □ = □

There are □ stars.

3 Write two additions and two multiplications for the array.



□ + □ + □ = □

□ × □ = □

□ + □ + □ + □ = □

□ × □ = □

What do you notice?

4 Write two multiplications for this array.

□ × □ = □

□ × □ = □

5 Draw an array to show 7 × 3

Complete the number sentence.

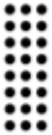
7 × 3 = ☐

Is there more than one way to draw the array?

6 Draw three different arrays to show 12

7 Draw dots to show each multiplication in two ways.

The first one has been done for you.

Multiplication	Array 1	Array 2
3 × 8		
2 × 5		
4 × 9		
6 × 1		

8 Can you see the multiplications 5 × 4 and 4 × 5 in the array?

Talk about it with a partner.

Wednesday 10th June

LC: Can you use 2x table?

The 2 times-table

1 Write a fact from the 2 times-table to match the picture.

a)

□ × □ = □

b)

□ × □ = □

c)

□ × □ = □

2 a) Complete the number line.

b) Which times-table does the number line show?

Tick your answer.

1 times-table 2 times-table

3 times-table

How do you know?

3 Complete the array and times-table fact so that they match.

a)

2 × 2 = □

b)

2 × 5 = □

c)

2 × □ = 8

4 Complete the number sentences.

a) $3 \times 2 = \square$

b) $\square = 9 \times 2$

c) $2 \times 5 = \square$

d) $2 \times \square = 4$

e) $12 = \square \times 2$

f) $\square = 12 \times 2$

g) $2 \times \square = 2$

h) $2 \times 0 = \square$

i) $14 = 2 \times \square$

j) $\square \times 2 = 22$

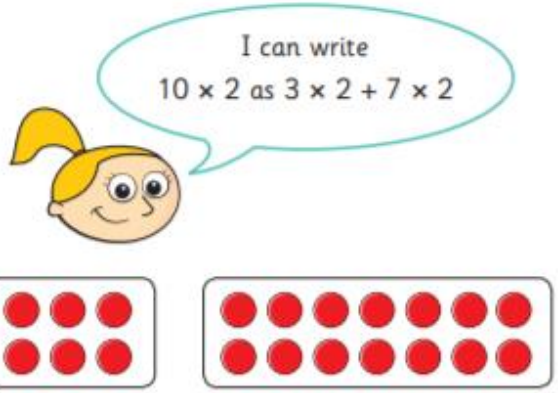
5 Teddy has £8

Rosie has twice as much money as Teddy.

How much money does Rosie have?

Rosie has £ ☐

6 Eva is writing 10×2 in different ways.



Find three more ways that you can write 10×2

Use counters to help you.

☐ × ☐ + ☐ × ☐

☐ × ☐ + ☐ × ☐

☐ × ☐ + ☐ × ☐

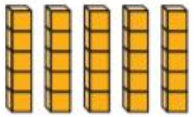
Compare answers with a partner.

Thursday 11th June

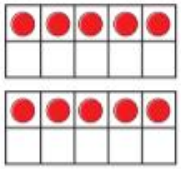
LC: Can you use 5x table?

The 5 times-table

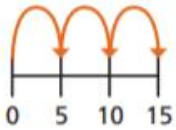
1 **a)** Match the picture to the times-table fact.



3 × 5



2 × 5



1 × 5

5 × 5

b) Draw a picture to show 4 × 5

2 **a)** Complete the number line.

b) Which times-table does the number line show?

Tick your answer.

1 times-table 2 times-table

5 times-table

How do you know?

3 Complete the number sentences.

a) $5 \times 5 = \square$

b) $\square = 9 \times 5$

c) $5 \times 6 = \square$

d) $5 \times \square = 40$

e) $35 = \square \times 5$

f) $\square = 11 \times 5$

g) $5 \times \square = 5$

h) $5 \times 0 = \square$

i) $10 = 5 \times \square$

j) $\square \times 5 = 60$

4 How much money does Ron have?

Complete the multiplication.

$\square \times \square = \square$

Ron has $\square$ p.

5 Write <, > or = to compare the calculations.

7×5	◯	5×8
6×5	◯	$4 \times 5 + 2 \times 5$
2×5	◯	$3 \times 5 - 1 \times 5$
12×2	◯	2×12

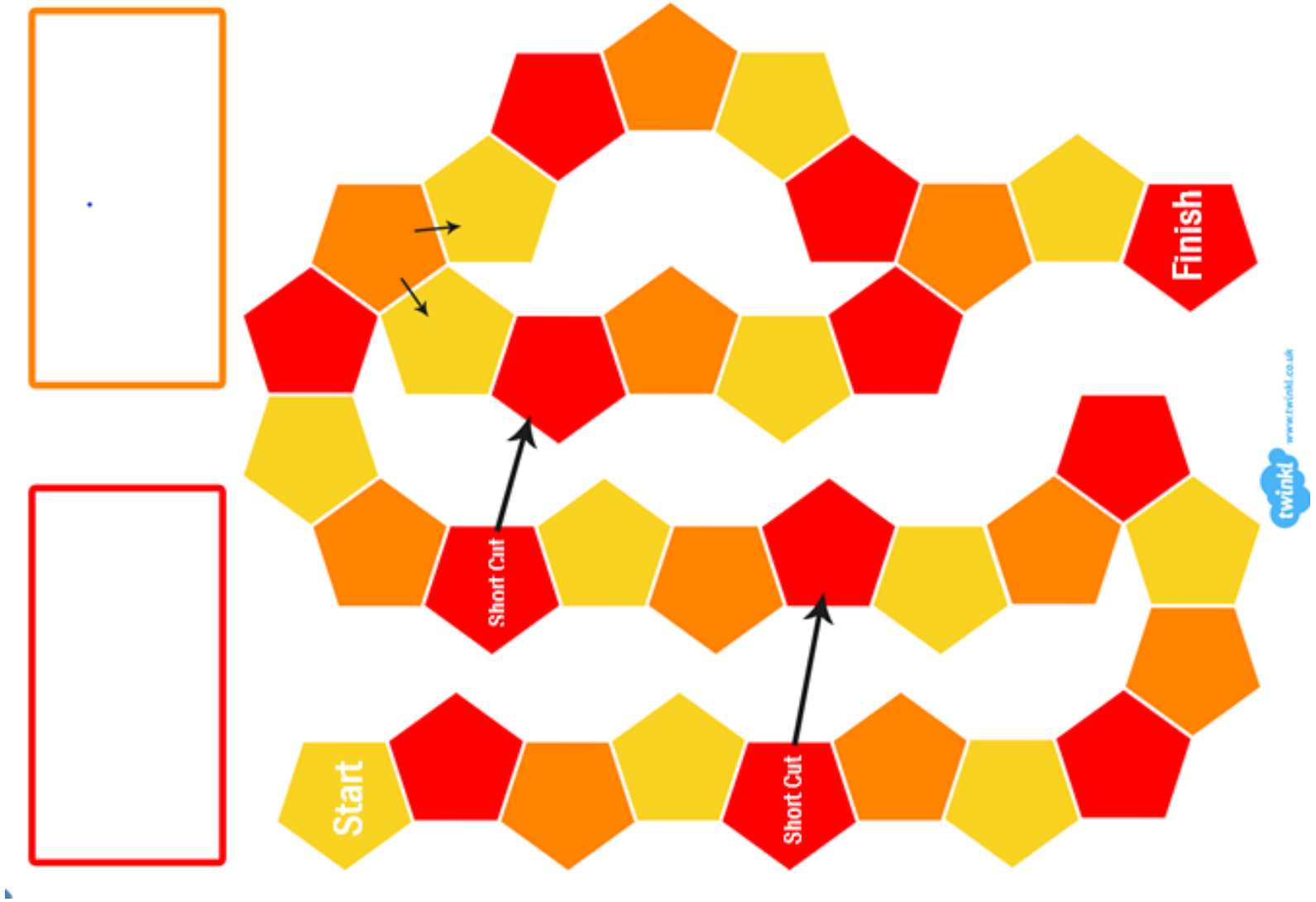
6 A sandwich costs £2 and a box of crayons costs £5

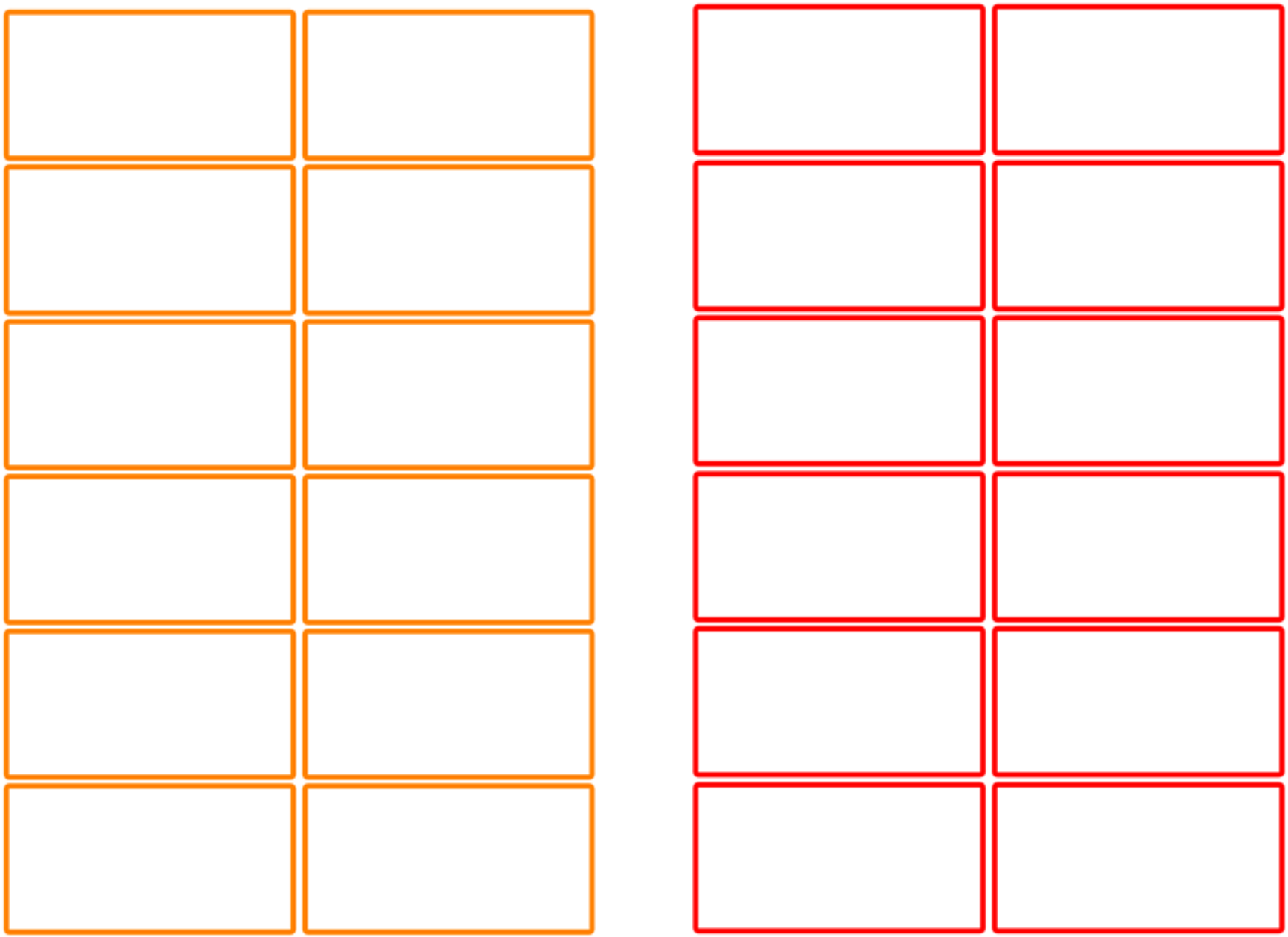
Jack buys 5 sandwiches and 3 boxes of crayons.

How much does he spend in total?

Jack spends £ $\square$

Friday 12th June





Extension activities

LC: Can you use the multiplication symbol? Date:_____

Dive Deeper

The total is 12.

What could the multiplication and repeated addition be?

Dive Deeper

True or false?

Explain your answer.

$5 + 5 + 5 = 3 + 3 + 3$

LC: Can you use arrays to show multiplication calculations? Date:_____

True or false?

$5 \times 4 = 4 \times 5$

$5 \times 4 = 10 \times 2$

$5 \times 4 = 2 \times 10$

Explain your reasoning.

What do you notice?

LC: Can you use arrays to show multiplication calculations? Date:_____

Which has the most biscuits:
4 packets of biscuits with 5 in each packet, or
3 packets of biscuits with 10 in each packet?

Explain your reasoning.

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.