

Year 4 Maths  
Remote learning  
Week beginning  
Monday 29<sup>th</sup>  
March 2021

This pack contains:

- Completed activity for teaching
- 4 lessons with tasks (Friday 2<sup>nd</sup> April is a Bank Holiday)

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.


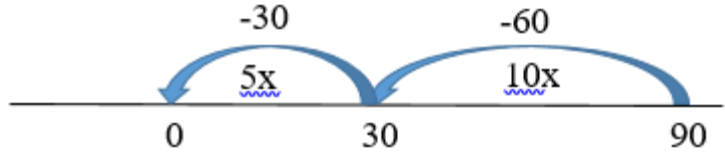

# Lesson 1 - Teaching

## Can I solve division problems?

Starter: Times Table Rockstars  
Spend 10-15 minutes practising your times tables.













Task: Look at this example of how to solve a division calculation using RUCSAC then try the problems on the next slide.

Choose the colour you feel confident answering.

Granny Smith has 90 apples on her trees. She picks 6 apples each day. How many days does it take her to pick them all?	
<b>R: Read</b> and highlight key information.	Granny Smith has 90 apples on her trees. She picks 6 apples each day. How many days does it take her to pick them all?
<b>U: Understand</b> - draw an image.	 How many 'groups of 6'?
<b>C: Calculation</b> - write the number sentence	$90 \div 6 =$
<b>S: Solve</b> using chunking and repeated subtraction on a number line.	 There are 15 'groups of 6' in 90 so $90 \div 6 = 15$
<b>A: Answer:</b> Write the answer in a sentence.	It takes Granny Smith 15 days to pick all her apples.
<b>C: Check</b> the answer (calculator) and if it is wrong, find out why.	

# Lesson 1 - Activity

## Can I solve division problems?

<p>Blue 1 Granny Smith has 15 apples on her trees. She picks 3 apples each day. How many days does it take her to pick them all?</p> 	<p>Purple 1 Granny Smith has 42 apples on her trees. She picks 3 apples each day. How many days does it take her to pick them all?</p> 	<p>Green 1 Granny Smith has 108 apples on her trees. She picks 3 apples each day. How many days does it take her to pick them all?</p> 
<p>Blue 2 Grandpa Perry has 20 pears on his trees. He picks 4 pears each day. How many days does it take him to pick them all?</p> 	<p>Purple 2 Grandpa Perry has 52 pears on his trees. He picks 4 pears each day. How many days does it take him to pick them all?</p> 	<p>Green 2 Grandpa Perry has 112 pears on his trees. He picks 4 pears each day. How many days does it take him to pick them all?</p> 
<p>Blue 3 Charlie the chicken farmer has 18 chicken eggs to put into boxes of 6. How many boxes does he need?</p> 	<p>Purple 3 Charlie the chicken farmer has 84 chicken eggs to put into boxes of 6. How many boxes does he need?</p> 	<p>Green 3 Charlie the chicken farmer has 210 chicken eggs to put into boxes of 6. How many boxes does he need?</p> 
<p>Blue 4 Florence the florist has 16 daffodils to put into bunches of 8. How many bunches of daffodils can she make?</p> 	<p>Purple 4 Florence the florist has 120 daffodils to put into bunches of 8. How many bunches of daffodils can she make?</p> 	<p>Green 4 Florence the florist has 312 daffodils to put into bunches of 8. How many bunches of daffodils can she make?</p> 

Answers:  
 Blue 1  $15 \div 3 = 5$  days  
 Blue 2  $20 \div 4 = 5$  days  
 Blue 3  $18 \div 6 = 3$  boxes  
 Blue 4  $16 \div 8 = 2$  bunches  
 Purple 1  $42 \div 3 = 14$  days  
 Purple 2  $52 \div 4 = 13$  days  
 Purple 3  $84 \div 6 = 14$  boxes  
 Purple 4  $120 \div 8 = 15$  bunches  
 Green 1  $108 \div 3 = 36$  days  
 Green 2  $112 \div 4 = 28$  days  
 Green 3  $210 \div 6 = 35$  boxes  
 Green 4  $312 \div 8 = 39$  bunches

## Lesson 2 - Teaching

### Can I solve division problems ?

Starter: Times Table Rockstars

Spend 10-15 minutes practising your times tables.

Task: Your task today is to challenge yourself with some more Rainbow problems.

If you completed Blue yesterday - try Purple today.

If you completed Purple yesterday - try Green today.

If you completed Green yesterday - try Yellow today.

## Lesson 2 - Activity

### Can I solve division problems ?

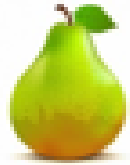
Yellow 1

If there were 130 apples on Granny Smith's trees, could she pick 3 apples every day for three fortnights?



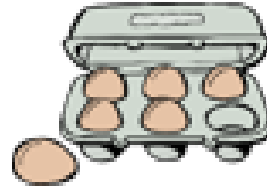
Yellow 2

If there were 122 pears on Grandpa Perry's trees, could he pick 4 pears every day for the month of August?



Yellow 3

Charlie the chicken farmer has 243 eggs. Can he fill 40 boxes of 6 eggs with none left over?



Yellow 4

Florence the florist has 425 daffodils. Can she make 53 bunches of 8 daffodils with none left over?



Answers:  
Yellow 1

$$130 \div 3 = 43 \text{ remainder } 1$$

Three fortnights is  $14 \times 3 = 42$  days.

She can pick 3 apples a day for three fortnights

and there would be four

apples left on the trees.

Yellow 2

$$122 \div 4 = 30 \text{ remainder } 2$$

August has 31 days.

He can only pick 4 pears each day for

30 days of August.

Yellow 3

$$243 \div 6 = 40 \text{ remainder } 3$$

He can fill 40 boxes but he will have

3 eggs left over.

Yellow 4

$$425 \div 8 = 53 \text{ remainder } 1$$

She can make 53 bunches but she will

have one daffodil left over.

## Lesson 3 - Teaching Can I calculate mentally?

**Starter:** Spend 10 minutes on Times Table Rock Stars or go to [www.timestables.co.uk](http://www.timestables.co.uk) to practise a table you are finding tricky.

**Task:** Today, you are going to do Arithmetic Test F.

Note to parents:

Allow 30 minutes (maximum) for your child to answer the questions.

Working out should be done in their head as this is a Mental Maths test.

If your child needs to make jottings to keep track of numbers, this is O.K. but discourage use of number lines or other full written methods.

When they are finished, mark the test together. Look at any questions they got wrong and see if they can work out the right answer with your help.

# Lesson 3 - Activity

## Can I calculate mentally?

Test F

1	$6 + 8 =$	10	$110 - 40 =$	19	$250 \div 10 =$
2	$48 + 3 =$	11	$3 \times 2 \times 4 =$	20	$167 - 68 =$
3	$10 + 50 =$	12	$7 \times 5 =$	21	$245 + 55 =$
4	$15 - 6 =$	13	$\underline{\hspace{2cm}} + 29 = 60$	22	$1/3$ of $12 =$
5	$41 - 9 =$	14	$82 + 89 =$	23	$84 - \underline{\hspace{1cm}} = 5$
6	$10 \times 7 =$	15	$21 \div 3 =$	24	$5 - 19 =$
7	$1/2$ of $56 =$	16	$57 - 28 =$	25	$20 - 36 =$
8	$8 + 90 + 3 =$	17	$48 \div 8 =$	Total correct	
9	$2 \times 7 =$	18	$4 \times 9 =$	/ 25	

9	$2 \times 7 = 14$	18	$4 \times 9 = 36$		
8	$8 + 90 + 3 = 101$	17	$48 \div 8 = 6$	Total correct	
7	$1/2$ of $56 = 28$	16	$57 - 28 = 29$	25	$20 - 36 = -16$
6	$10 \times 7 = 70$	15	$21 \div 3 = 7$	24	$5 - 9 = -4$
5	$41 - 9 = 32$	14	$82 + 89 = 171$	23	$84 - \underline{79} = 5$
4	$15 - 6 = 9$	13	$\underline{31} + 29 = 60$	22	$1/3$ of $12 = 4$
3	$10 + 50 = 60$	12	$7 \times 5 = 35$	21	$245 + 55 = 300$
2	$48 + 3 = 51$	11	$3 \times 2 \times 4 = 24$	20	$167 - 68 = 99$
1	$6 + 8 = 14$	10	$110 - 40 = 70$	19	$250 \div 10 = 25$

Answers Test F

Answers:

# Lesson 4 - Teaching Can I ?

Starter: Times Table Rockstars  
Spend 10-15 minutes practising your times tables.

Task: You will be playing a game which will help you practise your division facts.

It is called Battleship Divide.  
Here are the rules:

You will need: A Numberlink Board and whiteboard pen

- Each player completes the top row of the board with multiplicands and products for the **same** multiplication table eg. 8s as shown.

Numberlink Board™					Think it - Link it				
8	8	8	8	8	8	8	8	8	8
8	16	24	32	40	48	56	64	72	80

- Each player hides their board from their opponent and draws two dots above two of the multiplicands on the board as shown.

Numberlink Board™					Think it - Link it				
8	8	8	8	8	8	8	8	8	8
8	16	24	32	40	48	56	64	72	80

- Each player takes it in turns to guess where their opponent's dots (battleships) are. To do this they have to say the full division sentence eg. "24 divided by 8 is 3". Their opponent then responds with "Hit" or "Miss". This is recorded as a tick or a cross in the second row of yellow dots as shown.

Numberlink Board™					Think it - Link it				
8	8	8	8	8	8	8	8	8	8
8	16	24	32	40	48	56	64	72	80
		X							

- The first player to guess where the two battleships are is the winner.



