Lewis Class

Year 4 Maths (week beginning 13.07.20)

Here are some links to websites that have videos to support your child's learning in Maths. If you are struggling to find time to sit down with them, they could watch and make notes independently. These are not necessarily linked to the current topic but are still useful tools for learning. They can also be used as additional learning if needed.
https://www.bbc.co.uk/bitesize/subjects/z826n39
https://www.thenational.academy/online-classroom/year-4/maths#subjects

Addition

We have now come to the end of our maths learning for year 4! For the last 2 week of term, we are going to do some revision of methods for addition.

Task 1

- **Add two 4 digit numbers – no exchange**

Use counters and a place value grid to calculate 3,242 + 2,213

Now use objects at home to represent the place value counters to calculate the following:

1. **3824 + 2145**
2. **2324 + 3415**
3. **5321 + 1342**

Continue to use 'counters' if you feel that you need them for more support/more practise.

Column method – recap the method of column addition using this video:
https://www.bbc.co.uk/bitesize/topics/zy2mn39/articles/z3kmrwx (apply this to 4 digit numbers by including a thousands column).
Also watch me modelling column addition on Seesaw.

Now practise this method by calculating the following:

```
a)  2 7 1 1        b)  4 2 1 2
  + 5 2 3 4          + 2 6 4 3
  _____          _____

  _____          _____
```

c) 4821 + 3142
d) 2219 + 3730
e) 5820 + 4159

Task 2

- **Add two 4 digit numbers – with an exchange**

Rosie uses counters to find the total of 3,356 and 2,435

	Th	H	T	O
	3	3	5	6
+	2	4	3	5
	5	7	9	1
			1	

Use Rosie's method to calculate:

3,356 + 2,437   3,356 + 2,473   3,356 + 2,743

Continue to use 'counters' if you feel that you need them for more support/more practise.

Column addition – with an exchange
Watch the video of me modelling this on Seesaw to recap.

Now practise this method by calculating the following:

a)

	Th	H	T	O
	5	1	6	3
+	2	4	5	1

b)

	Th	H	T	O
	7	2	6	1
+	1	0	2	9

c) 3746 + 4829
d) 4411 + 3920
e) 8371 + 1848

Task 3
- **Missing digits**

a)

	Th	H	T	O
	3		2	
+		4		6
	8	7	9	1

b)

	Th	H	T	O
+	3	8	2	1
	8	7	9	1

c)

	Th	H	T	O
	3	7		9
+			8	
	6	9	2	5

d) Find two possible answers:

	Th	H	T	O
	2	☐	1	☐
+	3	☐	6	☐
	6	1	8	2

	Th	H	T	O
	2	☐	1	☐
+	3	☐	6	☐
	6	1	8	2

How did you work it out? Are there any more possible answers?

Task 4

- **Choose a method to solve the following:**

1.

Dexter buys a laptop costing £1,265 and a mobile phone costing £492
How much do the laptop and the mobile phone cost altogether?

2.

Use $<$, $>$ or $=$ to make the statements correct.

$3,456 + 789$	◯	$1,810 + 2,436$
$2,829 + 1,901$	◯	$2,312 + 2,418$
$7,542 + 1,858$	◯	$902 + 8,496$
$1,818 + 1,999$	◯	$3,110 + 707$

3.

Dexter is playing a computer game.

The table shows the number of points he gets in each round.
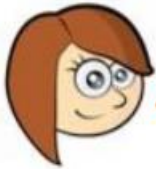
Round	1	2	3
Number of points	3,550	2,175	1,895

a) How many points does Dexter have at the end of Round 2?

b) He needs 8,000 by the end of Round 3 to win the game.

Does Dexter win the game?

Show your working.

Task 5

- **Reasoning and problem solving**

Two children completed the following calculation:

$$1,234 + 345$$

Rosie adds 2 numbers together that total 4,444

Both numbers have 4 digits.

All the digits in both numbers are even.

My answer is 1,589

Dora

My answer is 4,684

Alex

What could the numbers be?
Prove it.
How many ways can you find?

Both of the children have made a mistake in their calculations.
Calculate the actual answer to the question.
What mistakes did they make?

Jack says,

When I add two numbers together I will only ever make up to one exchange in each column.

Do you agree?
Explain your reasoning.

Bonus task – have a go at one of these games to challenge yourself!
https://nrich.maths.org/8955

Throughout the week - practise multiplication tables:
You could:
- Focus on whichever one you find difficult to remember and write out in a random order to improve your rapid recall.
- Play on Hit the Button - focus on number bonds, halves, doubles and times tables - https://www.topmarks.co.uk/maths-games/hit-the-button
  Do a multiplication dance – https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4