## Lewis Class

## Year 3 Maths (week beginning 06.07.20)

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-3/maths\#subjects

## Addition

We have now come to the end of our maths learning for year 3! For the last 2 weeks of term, we are going to do some revision of methods for addition and subtraction.

## Task 1

- Adding two 3- digit numbers - not crossing $\mathbf{1 0}$ or 100

Using your knowledge of place value, have a go at working out these calculations that are represented by counters:
Write out each calculation in numbers.

$\qquad$ $+$ $\qquad$ $=$ $\qquad$
$\qquad$ $+$ $\qquad$ $=$ $\qquad$

| $\boldsymbol{H}$ | T | O |
| :--- | :--- | :--- |
| - |  | 0 |
|  |  | 0 |
|  |  | 0 |

Using your knowledge of place value, have a go at working out these calculations that are represented by base 10: Write out each calculation in numbers.
a. $435+263$

$+$| H | T | O |
| :---: | :---: | :---: |
| $\square \square \square$ | $\\| \\|$ | me |
| $\square$ | $\\|$ | $\\| \\|\\| \\|$ |
|  |  | $m$ |
|  |  |  |

b. $\mathbf{3 5 2 + 4 3 6}$


We can also use the formal method of column addition which is a more efficient way of working it out - Watch these videos to recap your knowledge of column addition: https://www.bbc.co.uk/bitesize/articles/z72dwty

Now have a go at these by yourself:
Remember to always start on the left with the ones!
a.

|  | $\mathbf{H}$ | $\mathbf{T}$ | $\mathbf{O}$ |  |
| ---: | ---: | ---: | ---: | ---: |
|  | 4 | 5 | 3 |  |
| + | 1 | 2 | 5 |  |
|  |  |  |  |  |
|  |  |  |  |  |

b.


1. $436+622$
2. $831+413$
3. $573+235$
4. $947+341$

## Task 2

Adding two 3- digit numbers - crossing 10 or 100 - Watch these videos to recap your knowledge of column addition: https://www.bbc.co.uk/bitesize/articles/z72dwty

Dani uses counters to represent an addition.

a) What addition is Dani trying to work out?
b) Work out the answer to the addition.
c) How many exchanges did you have to do?

Have a go at these by using items at home to represent counters to practise exchanging to find the answers:

1. $394+342$
2. $149+592$
3. $405+386$
4. $523+457$
5. $835+246$

## Task 3

- Adding two 3- digit numbers - crossing 10 or 100 - watch the video of me modelling to remind yourself on the steps.

Now have a go at these by yourself:
Continue to use items to represent counters if needed for support.
a)

|  |  | H | T | O |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 2 | 3 | 5 |  |
|  | + | 1 | 5 | 7 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

b)

|  |  | H | T | O |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 3 | 7 | 2 |  |
|  | + | 1 | 4 | 4 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. $632+283$
2. $439+222$
3. $534+439$
4. $872+425$

If you struggled with task 2 and 3, practise more questions that are similar rather than moving on to task 4.

Task 4

- Choose a method to work out the following:

Eva and Ron are playing a game.
Eva scores 351 points and Ron scores 478 points. How many points do they score altogether?
How many more points does Ron score than Eva?
Eva and Ron play the game again.
Eva scores 281 points, Ron scores 60 less than Eva. How many points do they score altogether?

Bonus task: have a go at writing your own worded addition problem.

## Task 5

- Reasoning and problem solving

Here are three digit cards.


Alex and Teddy are making 3-digit numbers using each card once.


## Jack is calculating $506+243$

Here is his working out.

|  |  | 5 | 6 |
| ---: | ---: | ---: | ---: |
| + | 2 | 4 | 3 |
| 2 | 9 | 9 |  |

## Can you spot Jack's mistake? Work out the correct answer.

Work out the total of their two numbers.

Complete the statements to make them correct.

$487+368 \bigcirc$| $487+468$ |
| :--- |
| $326+258 \bigcirc$ |
| $325+259$ |
| $391+600=401+\ldots$ |

Explain why you do not have to work out the answers to compare them.

## 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 - $\underline{\text { https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4 }}$

