## $\underline{\text { Lewis Class }}$

## Year 3 Maths (week beginning 01.06.20)

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

Practise multiplication and division: https://whiterosemaths.com/homelearning/year-3/ (week 4)

## Time

## Task 1

- Finding the duration

We will be finding the durations of events using both analogue and digital clocks.
To do this, we need to explore the most efficient ways of breaking down the time.
You should use your knowledge of addition and subtraction. You could use a number line or if you made a clock, you could work out durations of time using the movable hands.

Example on a number line:

Tom was on a bike ride for 37 minutes. He started his bike ride at 15:35. What time did he finish?
In this example, the time has been chunked in to 25 minutes to get to the next hour and 12 minutes to complete the 37 minutes.


## Copy this table into your book and complete.

You should be able to work these out using your knowledge of addition and subtraction without the use of a number line.

## Calculate the duration of the TV programmes.

| TV Programme | Start Time | Finish Time | Duration |
| :---: | :---: | :---: | :---: |
| Pals | $06: 30$ | $07: 30$ |  |
| Dennis the <br> explorer | $15: 15$ | $18: 15$ |  |
| The football <br> show | $12: 00$ | $14: 00$ |  |
| An adventure | $10: 40$ | $12: 40$ |  |

- Find the duration of time shown on these clocks by drawing number lines in your book:
a)
b)

start
c)

start

finish

finish
d)


149
start
finish

- Choose a method to work out the following:

The table shows the start and finish times of some after-school clubs.

| Club | Start time | Finish time |
| :---: | :---: | :---: |
| Drama | $15: 30$ | $18: 30$ |
| Art | $15: 30$ | $16: 30$ |
| Rowing | $15: 45$ | $17: 45$ |

a) How long does Drama club last?
b) How long does Rowing club last?

## Task 2

- Comparing the duration

When comparing durations of time, you will need to use your knowledge of addition and subtraction and that there are 60 minutes in an hour.

You could also use empty number lines to model the situations as that will help you to bridge over the hours.

## Copy and complete in your book:

Use the symbols $<,>$ and $=$ to compare the following durations.


## Symbols:

< means less than
> means greater than
$=$ means equal to

The timetable shows Huan's morning at school.

| $09: 00-10: 00$ | Maths |
| :---: | :---: |
| 10:00 $-10: 15$ | Break |
| $10: 15-10: 30$ | Phonics |
| $10: 30-11: 15$ | Guided reading |
| $11: 15-12: 00$ | English |

a) What is Huan's longest lesson in the morning?

How do you know?
b) What is Huan's shortest lesson in the morning?

How do you know?
c) Which two lessons are the same length?

How do you know?
Task 3

- Start and end times

When you are given the duration of an event, you can find the start/end times using your knowledge of addition and subtraction. You could also use moveable hands of a clock if you made one last week.
You could also use a number line.


A 40 minute TV programme starts at the time shown. What time does it finish?

We can use a number line to work out the end time.
Use this method to work out:


- The end time of a 25 minute lesson starting at 2.15 p.m.
- The start time if a 1 hour 10 minute journey ended at 4 o'clock.
- The start time of a 40-minute swimming lesson that finished at 4.45 p.m.
- The end time of a 15-minute TV programme starting at 5.15 p.m.


## Choose a method to work out the following:

The table shows the duration of some lessons at school.

| Lesson | Duration |
| :---: | :---: |
| Maths | 50 minutes |
| Phonics | 30 minutes |
| Science | 45 minutes |
| English | 55 minutes |

a) Maths starts at 09:15
b) Science starts at 13:30
c) Phonics finishes at 10:50
d) English finishes at 15:10

What time does it finish?
What time does it finish?
What time does it start?
What time does it start?

Task 4

- Measuring time in seconds

It is important that you have a realistic sense of what time in seconds feels like. Some times we count in seconds too quickly. To get a sense of seconds, you could use a stop watch or a clock to time 10 seconds and compare 10 seconds counted in your head. Try this with different amounts of seconds and practise counting in seconds correctly.

We know that there are 60 seconds in one mintute so we can write durations of time in different ways. For example, 80 seconds is the same are 1 minute and 20 seconds.

Match the times in words to the times shown on the stopwatches.

Two minutes five seconds
10 seconds less than 2 minutes
Two minutes 50 seconds
150 seconds

00:01:50
00:02:30
00:02:05
00:02:50

## Complete the statements.

a) 2 minutes and 17 seconds $=\square$ seconds
b) 5 minutes and 12 seconds $=\square$ seconds
c) 4 minutes and 42 seconds $=\square$ seconds

## Task 5

- Reasoning and problem solving

For each of these questions, write your answer in your exercise book.

Lunchtime begins at:


Lunchtime ends at:

## 1:10

Teddy and Rosie are working out how long lunchtime lasts for.


Whose method is correct?

Eva and Mo are having a race.
It takes Eva 3 and a half minutes to complete the race.
It takes Mo 3 minutes and 15 seconds.


Is Eva correct? Explain how you know.

Alex takes 153 seconds to skip around the playground.


Jack takes 2 minutes 23 seconds.

Who is the quickest?
Explain how you know.

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

