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)

Task 1

Time

• 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.

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

Calculate the duration of the TV programmes.



• 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.



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 seconds00:01:5010 seconds less than 2 minutes00:02:30Two minutes 50 seconds00:02:05150 seconds00:02:50



 Play on Hit the Button - focus on number bonds, halves, doubles and times tables -<u>https://www.topmarks.co.uk/maths-games/hit-the-button</u>
Do a multiplication dance - <u>https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4</u>