

Lewis Class

Year 4 Maths (week beginning 11.05.20)

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>

Practise multiplication and division: <https://whiterosemaths.com/homelearning/year-4/>

Time

Task 1

- Years, Months, Weeks and Days**

Recap months of the year here: <https://www.youtube.com/watch?v=wkRkzn74Q9U>

Recap the number of days in each month here: <https://www.youtube.com/watch?v=BYshA2ybFdY>

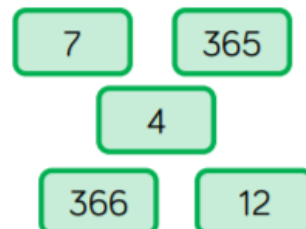
Attached is an example of a calendar and a leap year calendar. Alternatively, you could look at this online calendar: <https://www.timeanddate.com/calendar/> or your own!

Using the calendar, create a poster to put up in your house with information about years, months, weeks and days. Please include:

- Number of days in each of the months
- Significant events/celebrations in each month
- Number of weeks in a year
- Number of weeks in each month
- Number of days in a week

Use the numbers to fill in the gaps in the sentences.

There are _____ days in a year.
There are _____ months in a year.
There are _____ days in a leap year.
There are _____ days in a week.
Leap years happen every _____ years.



Task 2

- Hours, Minutes and Seconds**

1 hour = 60 minutes

One hour = ____ minutes

Two hours = ____ minutes

Half an hour = ____ minutes

Use this knowledge, along with your knowledge of multiplication and division to convert between hours and minutes:

- 1) I cook a turkey for Christmas dinner for 5 hours 20 minutes, how much is this in just minutes?
- 2) I bake a cake that needs 2 hours, 20 minutes in the oven, how long is this in minutes?

- 3) I watch a football match that lasts 110 minutes, how long is this in hours and minutes?
- 4) The school play runs for 555 minutes, how many hours and minutes is this?
- 5) A marathon runner runs for a total of 890 minutes, how many hours and minutes is this?

Task 3

- **Hours, Minutes and Seconds**

1 minute = 60 seconds

One minute = ____ seconds.

Three minutes = ____ seconds.

____ minutes = 240 seconds

Use this knowledge, along with your knowledge of multiplication and division to convert between minutes and seconds:

- 1) The marathon runner drinks water for a total of 11 minutes after the race has finished. How many seconds is this?
- 2) It is 82 minutes and 5 seconds until my birthday! How many seconds is this?
- 3) A train takes 77 minutes to travel to London, how many seconds is this?
- 4) A diver can hold their breath for 5 minutes, how many seconds is this?
- 5) My dog chases its tail for 230 seconds, how many minutes and seconds is this?

Task 4

- **Hours, minutes and seconds**

Sort the activities under the headings depending on the approximate length of time they take to complete.

| One hour | One minute | One second |
|-----------------|---------------------------|---------------------|
| Clap | Run around the playground | Blink |
| Swimming lesson | PE lesson | Tie your shoe laces |

Add as many other activities that you can think of that take an hour/a minute/a second.

Task 5

- Problem solving/reasoning

Amir, Rosie and Jack describe when their birthdays are.

Amir says,



My birthday is in exactly two weeks.

Rosie says,



My birthday is in exactly 2 months.

Jack says,



My birthday is in 35 days.

Use the clues to work out when their birthdays are if today is the 8th June.

Have a go at writing your own problem solving questions!

Five friends run a race.

Their times are shown in the table.

| Name | Time |
|---------|-------------|
| Eva | 114 seconds |
| Dexter | 199 seconds |
| Teddy | 100 seconds |
| Whitney | 202 seconds |
| Ron | 119 seconds |

Which child finished the race the closest to two minutes?

What was the difference between the fastest time and the slowest time?

Give your answer in minutes and seconds.

Jack takes part in a sponsored silence.

He says,



If I am silent for five hours at 10p per minute, I will raise £50

Do you agree with Jack?

Explain why you agree or disagree.

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>

2020 Calendar (Leap year)

| January 2020 | | | | | | | February 2020 | | | | | | | March 2020 | | | | | | | April 2020 | | | | | | |
|----------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| | | | 1 | 2 | 3 | 4 | | | | | | | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 29 | 30 | 31 | | | | | 26 | 27 | 28 | 29 | 30 | | |
| May 2020 | | | | | | | June 2020 | | | | | | | July 2020 | | | | | | | August 2020 | | | | | | |
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| | | | | | 1 | 2 | | 1 | 2 | 3 | 4 | 5 | 6 | | | | 1 | 2 | 3 | 4 | | | | | | | 1 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 28 | 29 | 30 | | | | | 26 | 27 | 28 | 29 | 30 | 31 | | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 31 | | | | | | | | | | | | | | | | | | | | | 30 | 31 | | | | | |
| September 2020 | | | | | | | October 2020 | | | | | | | November 2020 | | | | | | | December 2020 | | | | | | |
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| | | 1 | 2 | 3 | 4 | 5 | | | | | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 29 | 30 | | | | | | 27 | 28 | 29 | 30 | 31 | | |

2019 Calendar

| January 2019 | | | | | | | February 2019 | | | | | | | March 2019 | | | | | | | April 2019 | | | | | | | | | |
|----------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|---------------|---|---|---|----|---|---|---------------|----|----|----|----|----|----|----|---|---|
| S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | | | |
| | | | 1 | 2 | 3 | 4 | 5 | | | | | | 1 | 2 | | | | | | 1 | 2 | | | 1 | 2 | 3 | 4 | 5 | 6 | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | | | | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | | | | | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |
| 27 | 28 | 29 | 30 | 31 | | | | 24 | 25 | 26 | 27 | 28 | | | | | | | | | | 28 | 29 | 30 | | | | | | |
| | | | | | | | | | | | | | | 31 | | | | | | | | | | | | | | | | |
| May 2019 | | | | | | | June 2019 | | | | | | | July 2019 | | | | | | | August 2019 | | | | | | | | | |
| S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | | | |
| | | | 1 | 2 | 3 | 4 | | | | | | | 1 | | 1 | 2 | 3 | 4 | 5 | 6 | | | | | 1 | 2 | 3 | | | |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | | | | | | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | | | | | | | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 26 | 27 | 28 | 29 | 30 | 31 | | | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | | | | | | | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| | | | | | | | | 30 | | | | | | | | | | | | | | | | | | | | | | |
| September 2019 | | | | | | | October 2019 | | | | | | | November 2019 | | | | | | | December 2019 | | | | | | | | | |
| S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | S | M | T | W | Th | F | S | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 | | | | | | | 1 | 2 | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | | | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | | | | | | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | | | | | | | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | |
| 29 | 30 | | | | | | | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | 29 | 30 | 31 | | | | | | |