



Year 3: Summer term 1

Topics studied this half term:

- Fractions
- Time

Within fractions, your children will be learning:

- Equivalent fractions
- Compare fractions
- Order fractions
- Add fractions
- Subtract fractions

Within time, your children will be learning:

- Months and years
- Hours in a day
- Telling the time to 5 minutes
- Telling the time to the minute
- Using am and pm
- 24-hour clock
- Finding the duration
- Comparing durations
- Start and end times
- Measuring time in seconds

Tips for good homework habits:

Talk to your child about maths and use a wide range of vocabulary.

Fractions

HERE'S THE MATHS

To find a fraction of a quantity, divide by the denominator, e.g. $\frac{1}{4}$ of 48 is $48 \div 4 = 12$. To find a non-unit fraction of a quantity, e.g. $\frac{3}{4}$ of 48, first divide by the denominator to find the unit fraction and then multiply by the numerator. $\frac{1}{4}$ of 48 is $48 \div 4 = 12$. To find $\frac{3}{4}$, multiply $12 \times 3 = 36$. Drawing a diagram/using an array often helps understanding.

ACTIVITY

What to do

60	90	100
120	40	160
80	200	20

You will need

- 1–6 dice

- Take turns to say the value of $\frac{1}{10}$ of each of the numbers.
- Roll the dice and now say the value of that number of tenths, e.g. if a 3 is rolled, work out the value of $\frac{3}{10}$ of each of the numbers.
- Play for 10 minutes.

Variations

- Find $\frac{1}{2}$ of the numbers.
- Find $\frac{1}{4}$ of the numbers and then $\frac{3}{4}$.

QUESTIONS TO ASK

What is $\frac{1}{10}$ of 360?

Add $\frac{3}{10}$ to $\frac{4}{10}$.

How do you find $\frac{1}{5}$ of a number?
What about finding $\frac{2}{5}$?

Time

HERE'S THE MATHS

Your child is learning to tell the time from an analogue clock, including using Roman numerals, and 12-hour and 24-hour clocks. There are a number of different ways to describe the same time, e.g. 6:45 p.m. is also quarter to 7, 15 minutes to 7 and 18:45. For additional practice, ask your child to tell the time as often as possible using clocks in your own home.

ACTIVITY

1: a.m.	2: p.m.	3: a.m.	4: p.m.
5: a.m.	6: p.m.	7: a.m.	8: p.m.
9: a.m.	10: p.m.	11: a.m.	12: noon

What to do

- Take turns to fill in the number of minutes, choosing numbers from 1 to 59. (For numbers up to 9, fill in as 01, 02, etc.).
- Take turns to use the cocktail sticks to put the times on the Roman-numeral clock faces.
- Check each other's clocks.

You will need:

- 2 pieces of a cocktail stick, one shorter than the other to represent clock hands
- blank Roman-numeral clock faces

Variation

- Change the a.m./p.m. times to the 24-hour clock.

QUESTIONS TO ASK

How many seconds in 2 minutes?

The train journey to London takes $2\frac{1}{2}$ hours. If it arrives at 4:15 p.m., what time did it leave?

What is 3:50 p.m. in the 24-hour time?