

MATHS STRATEGIES SESSION - Time

Foundation Stage

At the end of the Foundation Stage the children are expected to use everyday language to talk about time.

Year 1

By the end of Year 1 children should be able to measure and begin to record the following:

- sequence events in chronological order using language for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening
- recognise and use language relating to dates, including days of the week, weeks, months and years
- tell the time to the hour and half past the hour and draw the hands on a clock face to show these times

Year 2

By the end of Year 2 children should be able to:

- compare and sequence intervals of time
- tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
- know the number of minutes in an hour and the number of hours in a day

Ideas for out of school

- Have an analogue clock at home to allow children to practise
- Buy your child a basic analogue watch
- Have a look at some of the websites that we use at school
- Converting between analogue and digital times
- Read story books with a time theme



More tips

- Before looking at a clock face, start with the general concept of time - morning, afternoon, evening. Initially talk about activities that happen at certain times of day e.g. "we eat breakfast in the morning" and "we go to sleep at night". You can then move on to asking your child when certain things happen - this starts off the idea of blocking time into sections.
- To start your child's understanding of the passage and tracking of time, make a habit of pointing out how long things take in everyday life such as

cleaning your teeth, eating breakfast or how long until you need to leave the house. You could make a point of timing some of your child's favourite activities to help them connect more with the passage of time - do some baking together and set the oven timer, announce that their programme will be on the TV in 10 minutes and set an alarm or stopwatch.

- Start making a habit of pointing out the time on a clock when events happen in your day, to introduce what that time looks like. Move on to asking your child to tell you what a certain time looks like: "What will the clock look like at 1 o'clock?" (or more tricky "in 15 minutes") or "when is it time to play?".
- Once these basics are established, let your children remind you when it is time to do something... You may well find that they will pick this up especially easily if it's something they're really looking forward to, perhaps not so quickly if you've asked to be reminded when it's time for bed!

Useful websites

- bbc.co.uk
- mymaths.com
- topmarks.co.uk
- woodlands-junior.kent.sch.uk
- durham.schooljotter.com/coxhoe
- ictgames.com
- hamiltonathome.org.uk/

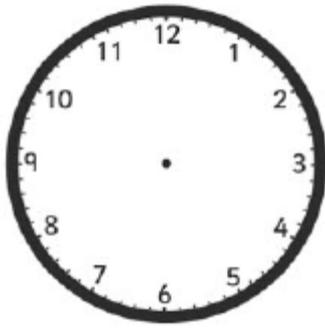
Year Three

National Curriculum Objectives:

1. Tell and read time to nearest minute
2. Compare time in terms of seconds, minutes and hour
3. Tell and write time from an analogue clock, including Roman numerals, and 12-hour and digital clocks
4. Compare durations of events

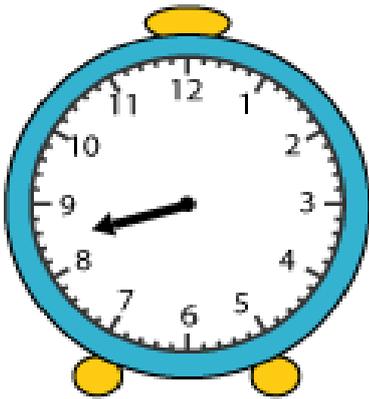
Question Examples

1. Draw the hands on the clock to show the time below. 23 minutes to 9.



2. Dan takes 153 seconds to skip around the playground.
Tilly takes 2 minutes 23 seconds. Who is the quickest? Explain how you know.

3. The clock only has one hand. What time could the clock show? Explain your choice carefully.



4. Kieran is learning his times tables. On Monday it takes him 1 minute and 12 seconds to complete 10 questions. By Friday he can complete 10 questions in 42 seconds. How much quicker is he by Friday?

Tips to help at home

Have at least one analogue clock in your home.

Buy them an analogue watch.

Questions to ask

What time is it?

How long is it until bedtime?

For how long does this TV programme last?

If you are allowed 20 mins on the computer, what time do you need to come off?

Useful websites

MyMaths - School Portal Access stmarysyork/askham

Topmarks

Year Four

National Curriculum Objective:

Read, write and convert time between analogue and digital 12- and 24-hour clocks

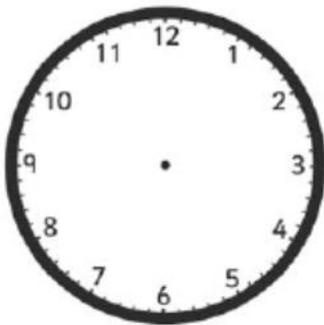
Question Examples

Read and write the times below in:

- a) 24 hour clock
- b) 12 hour clock
- c) analogue

- 1) Quarter past 2 in the afternoon:
- 2) 14:15
- 3) 2:15pm
- 4) Five to 12 at night
- 5) Half past 6 in the morning

Paul sets off to London at 11:05am, the journey took 3 hours and 50 minutes. Draw the time he arrived on the clock.



Three children are meeting in the park.

Sam says 'We are meeting at 14:10'

Laura says 'We are meeting at ten to two.'

Tom says 'We are meeting at 2:10pm'

Will all the children meet at the same time? Convince me.

Year Five

National Curriculum Objective: Solve problems involving converting between units of time.

Write the missing numbers.

60 months =	<input type="text"/>	years
72 hours =	<input type="text"/>	days
84 days =	<input type="text"/>	weeks

William wants to travel to Paris by train.

He needs to arrive in Paris by **5:30 pm**.

Circle the **latest time** that William can leave London.

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

What is 444 minutes in hours and minutes?

<input type="text"/>	<input type="text"/>
hours	minutes

Tips to help at home

Have at least one analogue clock in your home. Ask your children what time it is. Can they tell you in 12hr and 24hr format? Read local bus timetables (When is the next bus to...?)

Questions to ask

What time is it?

How long is it until bedtime?

For how long does this TV programme last?

If you are allowed 20 mins on the computer, what time do you need to come off?

Useful websites

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Year Six

National Curriculum Objective: Use, read, write and convert between standard units of time from a smaller unit of measure to a larger and vice versa.

Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34

How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?

Mr Evans is at Fordham at 10:30

What is the earliest time he can reach Tremont on the bus?



Car Park charges	
Time	Charge
up to 1 hour	20p
1 to 2 hours	50p
2 to 3 hours	£1.00
3 to 4 hours	£1.70
over 4 hours	£5.00

Emma parks her car at **9.30 am**.

She collects the car at **1.20 pm**.

How much does she pay?

Dan and Mark both use the car park.

Dan says,

'I paid exactly twice as much as Mark but I only stayed 10 minutes longer'.

Explain how Dan could be correct.

Here is the calendar for August 1998.

August 1998

Sun	Mon	Tues	Wed	Thur	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Simon's birthday is on **August 20th**.

In 1998 he had a party on the **Sunday after** his birthday.

What was the **date** of his party?

Tips to help at home

See Year Five