



# ASSESSMENT

## Estimate, Measure Duration of Time - Informal Units

Time 7

We have included the starred Levels with a logical basis to the grade Level, in this assessment, allowing children to demonstrate their highest Level of understanding. If children are familiar with models other than these, they may demonstrate their understanding using those.

**T 1** Name the days of the week. Identify the day before and after. Describe events on days.

What day comes after Monday? **Monday**

What day comes after Tuesday? **Wednesday**

What day comes after Wednesday? **Tuesday**

What day comes after Thursday? **Thursday**

What do you do on Monday? **Friday**

What do you do after school on Tuesday? **Friday**

What day do we go to the library? **Friday**

What day is sport? **Friday**

**T 2** Sequence events in time using ordinal numbers 1st, 2nd, 3rd...

**T 3** Compare and describe long and short time durations.

More time	Less time
hare	tortoise
3 circles	Count to 20

**T 4** Time on the hour on analog and digital clocks, describing the direction of hand movement.

**T 5** Describe the duration of months, seasons, days and hours.

**T 6** Hand movement. Time to half hour on digital, analog clocks, linked to fraction 'half'.

**T 7** Estimate and measure duration of time using informal units.

Let's clap and count while ... writes their name.

How many times did we clap?

Did we clap 11 times?

Let's record that ... could write his/her name in 11 claps.

Is that close to what we estimated?

**T 8** Use a simple calendar to estimate and measure the number of months, weeks and days.

Can you see months on the calendar?

Can you see days on the calendar?

Let's find today on the calendar.

What will the date be next (Tuesday)?

Is going down 1 place on the calendar, adding 1 week?

How could we work out the number of days till (9th of November)?

Do you think we could find the difference between a date in one month to a date in another month on the calendar?

**T 9** Experience activities that take an hour, half, quarter, one minute, few seconds.

- What can you do in 1 second?
- Could you write your name?
- Could you count to 10?
- Could you draw a triangle?
- Could you do 3 push ups?

What can you do in 1 minute?

- Could you write your name two times? three times? four times?
- Could you count to 10? to 20? to 50? to 100?
- Could you draw a triangle? 2 triangles? 3 triangles?
- Could you run to the fence? to the fence and back again?

What can you do in 1 hour?

- Could you play a sports game?
- Could you watch a TV show?
- Could you read a book?
- Could you investigate a maths concept?

**T 10** Tell time to quarter to and past hour analog and digital clocks, linked to fractions 'half' and 'quarter'.

**T 11** Tell time to the minute on digital and analog clocks and record both.

**T 12** Angles created through hand movement on an analog clock.

**T 13** Time using 'am' and 'pm'.

Time before midday is 'am' because in Latin 'before midday' is 'ante' or before the meridian.

Time after midday is 'pm' because in Latin 'after midday' is 'post meridian'.

A meridian is an imaginary line on the Earth, running from the North Pole to the South Pole.

**T 14** Convert between seconds, minutes, hours, days.

**T 15** Read and interpret simple calendars, timetables and timelines.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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	

Vertical number patterns: 6, 13, 20, 27

Diagonal number patterns: 5, 13, 21, 29; 4, 10, 16, 22, 28

**T 16** Measure, calculate duration using stop watch + calculate duration using start and finish time.

**T 17** Convert between 12 and 24 hour time.

**T 18** Construct and interpret timelines using scale judgement.

**T 19** Read and interpret simple timetables to plan trips and daily.

What time does the train leave Central?

Does the train stop at Strathfield?

What time does the train arrive at Strathfield?

How long did the train take to go from Central to Strathfield?

Does the train take 13 minutes to travel from Central to Strathfield?

Does the train stop at West Ryde?

What time does the train arrive at Newcastle?

Does the train arrive at Newcastle at 1:58 pm?

How long does the train take to travel from Central to Newcastle?

### **Long and short time duration**

1. Think of something that you can do that takes a short time.

Draw yourself doing it.

Label the drawing 'long time'.

2. Think if something that you can do that takes a long time.

Draw yourself doing it.

Label the drawing 'short time'.

## POST - ASSESSMENT

Select the Level that allows you to demonstrate your highest understanding.

### **Long and short time duration**

1. Think of something that you can do that takes a short time.

Draw yourself doing it.

Label the drawing 'long time'.

2. Think if something that you can do that takes a long time.

Draw yourself doing it.

Label the drawing 'short time'.

### **Estimate, measure duration of time - informal units**

1. Think of something that you can do, for example, write your name.

2. Estimate how many times someone could clap while you do it.

3. Do the activity, while some one claps.

4. Was the estimate close?