

A close-up photograph of several green fern fronds. The fronds are long and feathery, with many small, pointed leaflets. They are set against a dark, blurred background, which makes the green color of the ferns stand out. The lighting is soft, highlighting the texture of the leaflets.

RICH MATHEMATICAL TASK BOOKLET

MEASUREMENT TIME

YEAR 2

Copy Masters

Task 1

Make a timeline of a day.

Mark the times and write and draw things that you do at each time.

1 o'clock in the morning.

7 o'clock in the morning.

8 o'clock in the morning.

9 o'clock in the morning.

10 o'clock in the morning.

11 o'clock in the morning.

12 o'clock in the morning.

Task 1 (independent)

Use the number cards to show where each hour would be on the clock face.

Check your clock face with a buddy and see whether you have the numbers in the same place.

Move the number cards until you both agree.

Draw and label the clock face to match your number cards.

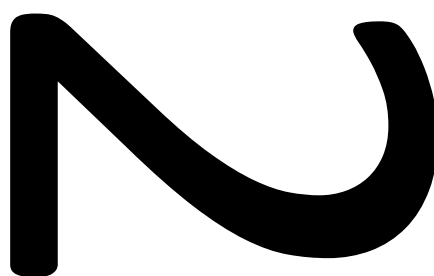
Repeat the drawing until it looks like the clock.

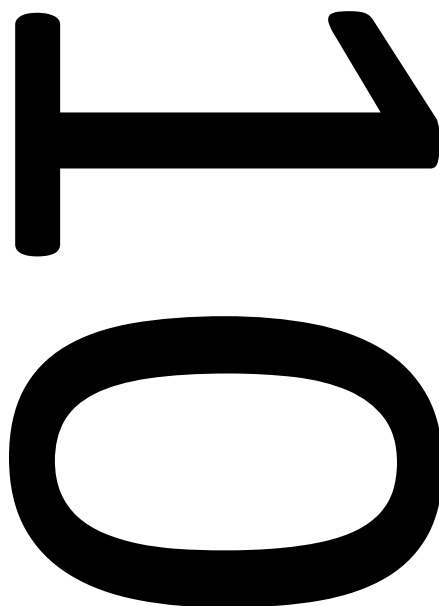
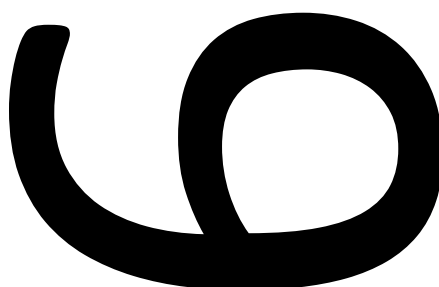
Write or draw activities that you do at each hour.

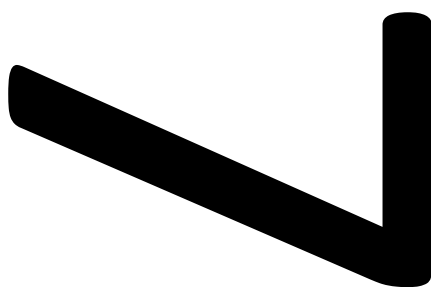
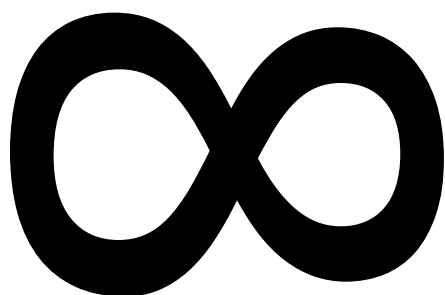
Task 1 (resource)

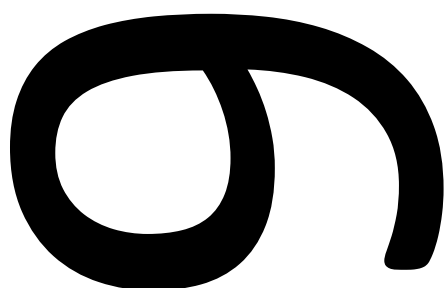
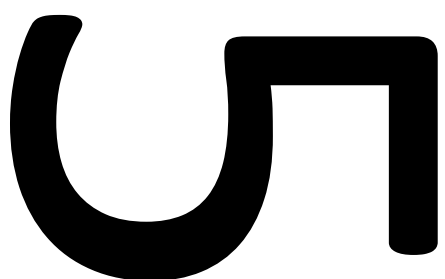
1	2	3
4	5	6
7	8	9
10	11	12

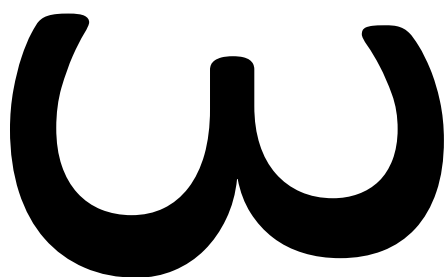
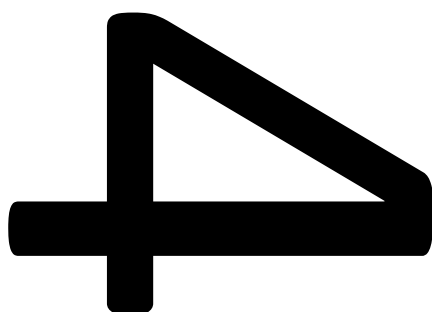
1	2	3
4	5	6
7	8	9
10	11	12

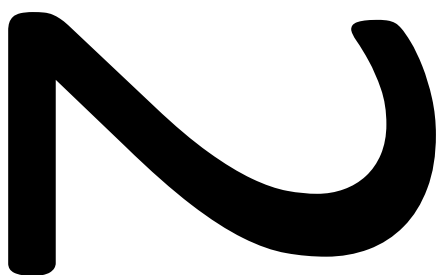
A large, bold, black uppercase letter 'H' is shown within a rectangular box. A small black arrow is positioned at the top right of the letter, pointing downwards and to the left, indicating the starting point and direction for writing the letter.A large, bold, black uppercase letter 'N' is shown within a rectangular box. A small black arrow is positioned at the top right of the letter, pointing downwards and to the left, indicating the starting point and direction for writing the letter.A large, bold, black uppercase letter 'H' is shown within a rectangular box. A small black arrow is positioned at the top right of the letter, pointing downwards and to the left, indicating the starting point and direction for writing the letter.A large, bold, black uppercase letter 'H' is shown within a rectangular box. A small black arrow is positioned at the top right of the letter, pointing downwards and to the left, indicating the starting point and direction for writing the letter.

A large, bold, black outline of the number 10, designed for tracing. The '1' is a simple vertical stroke with a horizontal base, and the '0' is a large, oval-shaped ring.A large, bold, black outline of the number 10, designed for tracing. The '1' is a simple vertical stroke with a horizontal base, and the '0' is a large, oval-shaped ring.



A large, bold, black outline of the number 9, designed for tracing practice. The number is centered within a rectangular box.A large, bold, black outline of the number 5, designed for tracing practice. The number is centered within a rectangular box.





Task 2

Draw a timeline for each hour from midnight to midday.

Write or draw an activity for each hour.

Redraw the timeline as a circular timeline.

What do you notice about your timeline and the analogue clock?

Draw a timeline for each hour from midday to midnight.

Write or draw an activity for each hour.

Redraw the timeline as a circular timeline.

What do you notice about your timeline and the analogue clock?

*Year 2 Copy Masters: Measurement - Time***Task 2 (independent)**

Put the clockfaces back together.

Draw a timeline of the clockface.

Now draw a circular timeline of the clockface.

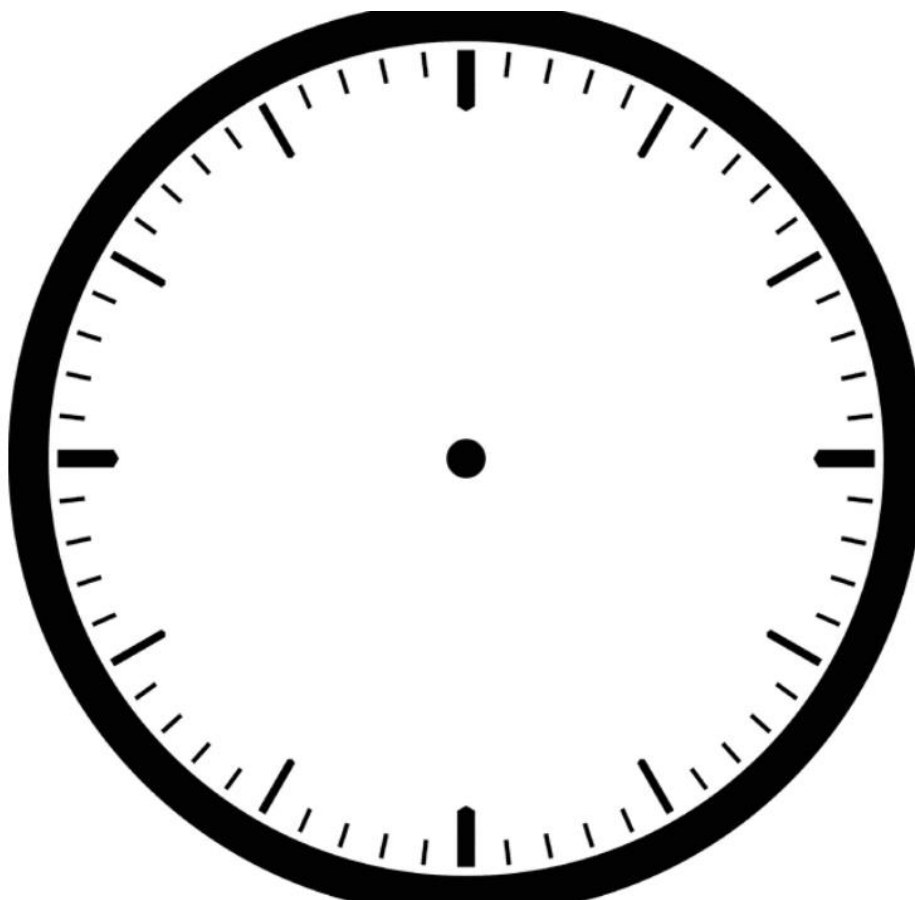
What do you notice?



Task 3

Make a number-line of the hour between 8 o'clock and 9 o'clock in the morning and write on your number-line the number that each mark represents.

What do you notice?

Task 3 (resources)

Task 3 (resource)

Task 3 (independent)

Write and draw on the number-line to show activities that you do between 7 am and 8 am.

Write and draw on the number-line to show activities that you do between 11 am and 12 pm.

Write and draw on the number-line to show activities that you do between 11 pm and 12 am.

Task 4

Make a timeline starting at 7.32 pm when Molly is told to get ready for bed.

Write and draw the different things that Molly did before her mother found her asleep at 7.51 pm.

Discuss with your group whether you think she could have completed all those things from when her mother told her to get ready for bed and when her mother found her asleep.

*Year 2 Copy Masters: Measurement - Time***Task 4 (independent)**

Write and draw things you could do in one second.

Write and draw things you could do in one minute.

Write and draw things you could do in quarter of an hour.

Write and draw things you could do in half an hour.

*Year 2 Copy Masters: Measurement - Time***Task 5**

Make a timeline showing the days of the week.

Today is Tuesday. White Sunday is next Sunday.

How many days are there until White Sunday?

Today is Friday. In eleven days Sosia is having her birthday party.

What day is her birthday party?

In six days on Saturday Timoti will have his birthday party. What day is it today?

In twenty days on Sunday, Mereana and Koro are going to visit Nana.

What day is it today?

Task 5 (resources)

Monday	Tuesday	Wednesday
Thursday	Friday	Saturday
Sunday		

Monday	Tuesday	Wednesday
Thursday	Friday	Saturday
Sunday		

Task 5 (independent)

Write a timeline with the days of the week.

Today is Saturday. What day is it tomorrow?

Today is Monday. What day is it in four days time?

Tomorrow is Friday. What day was it yesterday?

Tomorrow is Sunday. What day was it five days ago?

Yesterday was Friday. What day will it be in three days' time?

Yesterday was Monday. What day will it be in nine days time?

Task 6

Make a timeline of the months of the year.

School starts on the 1st of February.

School holidays start on the last day of April.

How many months between the start of school and the April holidays?

How many weeks between the start of school and the April holidays?

It is the beginning of December, and my birthday is in six months.

What month is my birthday?

It is the beginning of June, and my birthday was eleven months ago.

What month was my birthday?

Task 6 (resource)

January	February	March
April	May	June
July	August	September
October	November	December
January	February	March
April	May	June
July	August	September
October	November	December

Task 6 (independent)

Make a timeline showing the days of the week beginning from Sunday.

Today is Wednesday and swimming starts in five days time.

What day does swimming start?

Today is Tuesday and there is going to be seven days of rain.

What day will it stop raining?

Today is Monday and your whanau are visiting in 13 days time.

What day will they visit?

Write and draw different things that you do on the days on your timeline.

*Year 2 Copy Masters: Measurement - Time***Task 7**

Lelei went to Samoa to visit family and left on the 3rd of September.

She was in Samoa for 12 days.

What day and date did she arrive back in New Zealand?

If Lelei had stayed in Samoa for three months, what month would she have returned to New Zealand?

The last time Lelei went to visit Samoa was ten months before her September visit. What month did she visit?

Task 7 (independent)

If it is May and Simon is going away in August. How many months until he leaves?

If it is October and Etta's birthday was 7 months ago. What month was her birthday?

If it is November and your cousin is coming to stay in February. How long until they visit?

Make a timeline of the months of the year and write and draw events that happen in each month.

Task 8

Christmas day is on the 25th of December. A song about Christmas is the “Twelve Days of Christmas”.

Make a timeline to show the date and day of the first gift in the song when the last gift (the twelfth) is given the day before Christmas Day.

Write and draw each gift on the timeline.

Task 8 (independent)

Leah's Mum went away for work on the 31st of July and was away for three days.

What date did she get home?

Arlo's whanau went on holiday on the 8th April and were away for 12 days.

What date did they get home?

It is the 19th of November, Tali had her birthday 5 days ago.

What date is her birthday?

It is the 28th of January, Georgia just returned from visiting the beach for 14 days.

What date did she go to the beach?

Task 9

Ayla took exactly 30 seconds to do each of three things. What might the three things have been?

Ayla took exactly 59 seconds to do each of three things. What might the three things have been?

Ayla took exactly one minute to do each of three things. What might the three things have been?

Ayla took exactly half an hour to do each of three things. What might the three things have been?

Ayla took exactly 5 minutes to do three things.

What might the three things have been?

Ayla took exactly 1 second to do three things.

What might the three things have been?

Task 9 (independent)

Today is the 1st of December.

Make a timeline and write and draw the activities that you and your whanau will do over the next 12 days.

Task 10

Jennie says that if the time has an 8 in it, it must be 8 o'clock in the morning.

Jamie agrees with her, and she says she has a way of proving it. What might she say?

Georgia disagrees with her, and she says she can give lots of times it might also be.

What times might Georgia be thinking of?

Draw the different times on an analogue clock.