MEASUREMENT TIME

YEAR 5-6 ODD YEARS

Copy Masters

Task 1

What can you do in a minute? Ten seconds? Thirty seconds? Five minutes?

Work with a buddy and make a table. Record five things you think you can do for the duration of each of the times.

After you have recorded a set use a stopwatch to test out how accurate you were with your prediction. Re-record and repeat each activity until you are almost accurate with your prediction.

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Task 1 (independent)

How many minutes are there between each hour on an analogue clock? Make a number line of an analogue clock which shows from 8 A.M. to 9 A.M. Make sure you put all the markings in between. Record what the markings mean and then record the number they represent. What do you notice?

Use your timeline to show the activities you do between 8 and 9 o'clock on a school morning.

Task 2

With your group record 6 things you all do over a day.

Record what time you start and finish each of these things in hours and minutes on a 24-hour clock. Record the duration of each of these things.

Now make a timeline which shows the start and finish and duration of each of these activities.

Match the start and finish time with what they would look like on an analogue clock.

Task 2 (independent)

You and your friends are discussing your birth dates. You are born on 23 March. Jo is born on 28 March. Celia is born on 14 April. Julia is born on7 May. Ramona is born on 17 April.

Create a timeline. Record who is youngest by how many days and months. Record who is the oldest by days and months.

Task 3

Every year our school has a fiafia night.

If it starts at 5.45 P.M. and goes for 2 hours and 22 minutes. What time does it end?

At the school down the road their fiafia night starts at 18.55 and goes until 20.17.

Which school has a longer fiafia night?

Task 3 (independent)

Record 6 things you all do over a weekend.

Record what time you start and finish each of these things in hours and minutes on a 24-hour clock. Record the duration of each of these things.

Now make a timeline which shows the start and finish and duration of each of these activities.

Match the start and finish time with what they would look like on an analogue clock.

Task 4

After school Jessica watched three television shows.

The first started at 3:12 and went for three quarters of an hour. The next went from 4:03 and finished at 4:40 and the last one started at 5:07 and ran for seven minutes short of an hour.

How much television did she watch?

What time did she finish watching television?

Task 4 (independent)

Record everything that you notice about measuring the duration of time using an analogue clock and a 24-hour clock? What is the same? What is different?

List 8 things you do over a week. What time does each event start and finish. How long do they last? Record your reasoning using a digital and an analogue clock.

Task 5

Louise has a watch that loses two minutes every hour. Pania has a watch that gains one minute every hour.

They both set their watches by the radio at 6 A.M. Then they both set off on a family holiday. They arrive at the family holiday at the same time, and they notice that their watches are 10 minutes apart.

At what time (real time) did they arrive at the family holiday?

Task 5 (independent)

After school Manu played three different PlayStation games.

He started playing the first one at 3:12 and played for three quarters of an hour. He started the second game at 4:03 and finished at 4:40. He started playing the final game at 5:07 and ran for 6 minutes short of an hour.

How much time did he spend playing games?

What time did he finish playing games?

Task 6

Aotearoa has a sad history shown in the Land Wars which took place in the 18th Century.

Make a timeline beginning with the first events in the Land Wars in Wairau and include in your timeline the events in the Northern War, Wellington, and Whanganui.

What was the duration of time from the first event to the last event across the timeline?

What other lengths of time can you notice across your timeline. Record at least five of these.

Task 6 (independent)

Aunty wears a watch that loses two minutes every hour. Rena has a watch that gains one minute every hour.

They both set their watches by the radio at 6 A.M. Then they both set off on a family holiday. They arrive at the family holiday at the same time, and they notice that their watches are 10 minutes apart.

At what time (real time) did they arrive at the family holiday?

Task 7

Use the Air New Zealand flight chart to plan a return trip to Tonga and back for you and your family. To distance to fly from New Zealand to Tonga is 2383 km. The flight to Tonga takes approximately 2 hours and 55 minutes. The back from Tonga takes approximately 3 hours and 15 minutes.

Choose a day to travel on and a day to return.

Make a timeline which shows in both analogue and on a 24-hour clock the flight to Tonga and the flight back to New Zealand. Include on the timeline the distance you have travelled:

The time you need to be at the Airport to check in.

The time you need to be in the departure lounge ready for boarding.

The time you would board before take-off.

The time the meal is served a quarter of the way through the flight.

The time you have to get ready for landing after you have completed 5/6 of the flight.

The landing time.

The time it takes to get through immigration and collect your luggage.

Write some statements you can make from your timeline.

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Task 7 - resource

AIR NEW ZEALAND

Kingdom Travel Centre

Kingdom Freight Centre

27th October 2025 – 23rd November 2025

MONDAY

NZ974	AKL/TBU	1725/2020	02.50	A32Q
NZ975	TBU/AKL	2135/0035*1	03.00	A32Q

TUESDAY

NZ974	AKL/TBU	1725/2020	02.50	A32Q
NZ975	TBU/AKL	2135/0035*1	03.00	A32Q

WEDNESDAY

NZ972	AKL/TBU	0715/1010	02.50	A32Q
NZ973	TBU/AKL	1120/1420	03.00	A32Q
NZ970	AKL/TBU	0905/1135	02.50	B789
NZ971	TBU/AKL	1310/1605	03.00	B789

THURSDAY

NZ974	AKL/TBU	1725/2020	02.50	A32Q
NZ975	TBU/AKL	2135/0035*1	03.00	A32Q

FRIDAYS

NZ974	AKL/TBU	1725/2020	02.50	A32Q
NZ975	TBU/AKL	2135/0035*1	03.00	A32Q

SATURDAYS

NZ974	AKL/TBU	1725/2020	02.50	A32Q
NZ975	TBU/AKL	2135/0035*1	03.00	A32Q

Check in Time

Please remember that you must have **completed check in process no later than 90 minutes prior to departure**. Failure to **complete check in 90 minutes prior to departure** may mean that you will not be able to travel as planned. We open our check in counters 3 hours prior to departure for your convenience and to ensure that you have plenty of time to check in.

For all you bookings and travel enquiries please call our Team at the Travel Centre at 23192. If you have any enquiry about our cargo services please call our Cargo Office on 28283.

Note: Updated 28 October 2025

Task 7 (independent)

When measuring time in years we talk about decades and centuries. What decade are we in now? What century are we in? Use your timeline to identify the decade and century an event occurred.

Task 8

What is the time difference?

1. You get up at 7.16 A.M. and you go to bed at 9.05 P.M?
2. You start playing tag a 12:47 and you stop at 13: 25?
3. You have dinner at 6.39 P.M., and you do the dishes at 19:21?
4. You go to bed at a quarter to 9 and wake up at 7:01?
5. This month is December 2025. Covid began in February 2020?
6. I was born in 2013 my nana was born in 1957 and my great grandmother was born in 1925?
7. Queen Elizabeth the 2nd died in 2022. Her predecessor Queen Elizabeth the 1st died in 1663?
8. It is February. We had our Kapa Haka competition in April last year?
9. My family all live in New Zealand but my grandparents left Samoa to live in New Zealand 3 and a quarter decades ago?
10. Abel Tasman was the first of the European explorers to visit New Zealand. He arrived almost 6 and a half centuries ago. If we are in 2025, when did he first come to New Zealand?

Task 8 (independent)

What is the time difference?

1. You get up at 6.13 A.M. and you go to bed at 8.05 P.M?
2. You start playing football at 11:38 and you stop at 12: 25?
3. You have dinner at 6.12 P.M., and you do the dishes at 19:21?
4. You go to bed at 8:25 pm and wake up at 7:01am?
5. This month is November 2022. Covid began in January 2020?
6. I was born in 2014 my nana was born in 1955 and my great grandmother was born in 1927?

Task 9

Is Strickland, right?

He says that if the time has a 4 in it, it must be 4 o'clock in the afternoon.

Don agrees with him, and he says he has a way of proving it. What might he say?

Generosa disagrees with him, and she says she can give lots of times it might also be. What times might she use to justify her disagreement?

Task 9 (independent)

Maria has dance class at 4.15pm every Wednesday. She takes 17 minutes to walk to class from home. What time must she leave home to get to dance class?

George runs around the block 3 times every evening. The first lap takes him 9 minutes. The second lap takes him 11 minutes. The final lap takes him 15 minutes. How much time does it take for George to complete his 3 laps?

Task 10

Villiami and Tevita live in different villages.

Both villages are 9 kilometres away from the nearest market.

Villiami rides his bike at 6 kilometres per hour and Tevita rides his at 4 kilometres an hour.

They both want to arrive at the market at exactly noon.
What time should each of them start riding?