Maths Week/ Wiki Pāngarau 2025

Survivor Series/Kia Mōrehurehu
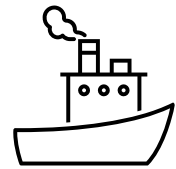
Day 3 Set B

For students

WHAT TO DO FOR STUDENTS

1 You can work with one or two others. Teams can be different each day.

2 Do the tasks and write any working you did, along with your answers, in your maths book.

3 Your teacher will tell you how you can get the answers to the questions and/or have your work checked.

4 When you have finished each day, your teacher will give you a word or words from a proverb. You could ask your teacher to explain what a proverb is.

5 At the end of the week, put the words together in the right order and you will be able to find the complete proverb! Your teacher may ask you to explain what the proverb means.

6 Good luck.
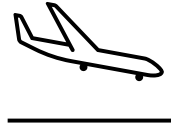
DESTINATION DISCOVERY

Question 1

Mike and Diane are planning a holiday to Europe. They have decided where to visit and how they will travel. They make a table to show their plans.

From	To	By
Auckland	Singapore	Plane
Singapore	London Heathrow	Plane
London Heathrow	London City	Train
London City	Brighton	Train
Brighton	Southampton	Bus
Southampton	Isle of Wight	Boat
Isle of wight	Portsmouth	Boat
Portsmouth	Le Havre	Boat
Le Havre	Paris	Car
Paris	Munich	Train
Munich	Frankfurt	Bus
Frankfurt	Berlin	Train
Berlin	Prague	Train
Prague	Athens	Plane
Athens	Limassol	Plane
Limassol	Luqa	Plane
Luqa	Valletta	Bus
Valletta	Sicily	Boat
Sicily	Naples	Boat
Naples	Rome	Bus
Rome	Los Angeles	Plane
Los Angeles	Auckland	Plane

a)   How many trips do they make?

b)   What do they travel on the most – boat, bus, car, plane or train?

c)   What do they travel on the least – boat, bus, car, plane or train?

d)   Diane wants to draw a graph to show how many trips they went by boat, bus, car plane or train. What type of graph would be best? Draw the graph in your maths book, remember to add labels and titles and use a ruler.

e)   Find out which country each of the above places is in. In which country did Mike and Diane visit the most places.

Answer

a)

b)

c)

d)

e)

Place	Country		Place	Country
Singapore			Berlin	
London Heathrow			Prague	
London City			Athens	
Brighton			Limassol	
Southampton			Luqa	
Isle of Wight			Valletta	
Portsmouth			Sicily	
Le Havre			Naples	
Paris			Rome	
Munich			Los Angeles	
Frankfurt			Auckland	

Question 2

When Mike and Diane arrive at London Heathrow, they will get an underground train from London Heathrow Airport into the city. Here is a list showing some of the stations on the train line. They use this list to help plan their travel around London.

- Heathrow Terminal 5
- Heathrow Terminal 4
- Heathrow terminal 1, 2, 3
- Hatton Cross
- Hounslow West
- Hounslow Central
- Hounslow East
- Osterley
- Boston Manor
- Northfields
- South Ealing
- Acton Town
- Turnham Green
- Hammersmith
- Barons Court
- Earls Court
- Gloucester Road
- South Kensington
- Knightsbridge
- Hyde Park Corner
- Green Park
- Piccadilly Circus
- Leicester Square

a) How many stations are shown on the list?

b) Mike and Diane are getting off the train at Hyde Park Corner. Which station is just one before Hyde Park Corner?

c) After leaving their luggage at their hotel, Mike and Diane get back on the train at Green Park and head towards Earls Court. How many stations shown on the list will they pass through before reaching Earl's Court?

d) On leaving Earl's Court, they head towards Leicester Square. Which is the last station they will pass through before getting to Leicester Square?

e) From Leicester Square they take the underground train back to Hyde Park Corner. How many stations shown on the list will they go through before reaching Hyde Park Corner?

f) If you include these additional train journeys, what would be your new answers to question 1 parts a) through d)?

Answer

a)

b)

c)

d)

e)

f)   1a)

      1b)

      1c)

      1d)

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Question 3

Here is some information about some international flights from Christchurch on a particular day.

Flight Number	Destination	Departure time	Arrival time
NZ213	Melbourne	6:00 am	7:55 am
QF168	Melbourne	6:05 am	8:00 am
NZ207	Brisbane	6:10 am	7:05 am
NZ221	Sydney	6:15 am	7:50 am
QF132	Brisbane	6:20 am	7:10 am
JQ172	Melbourne	9:15 am	11:05 am
NZ3298	Singapore	12:00pm	5:40 pm
UA731	San Francisco	2:15 pm	6:25 am
QF3833	Nadi	2:20 pm	5:25 pm
NZ4999	Hong King	2:50 pm	9:30 pm
NZ279	Gold Coast	3:25 pm	4:10 pm
QF134	Brisbane	3:40 pm	4:30 pm
QF170	Melbourne	3:50 pm	5:45 pm
JQ186	Gold Coast	4:10 pm	4:35 pm
QF136	Sydney	4:30 pm	6:05 pm
QF8765	Sydney, Dubai	6:20 pm	7:40 pm
CZ618	Guangzhou	10:30 pm	5:20 am

a) Which destination has the most flights leaving Christchurch on this day?

b) How many flights are there to this city?

c) Caroline is going to Brisbane and wants to be there as early as possible. Which of these flight numbers should she take to be there the earliest?

d) Flight NZ279 leaves at 3:25 pm and arrives at the Gold Coast at 4:10 pm. Does this mean that the flight is 45 minutes long? Can you explain why this isn't true?

e) Research the departure and arrival time/date for flight NZ6 (Auckland to Los Angeles). What do you notice about this flight's arrival time/date compared to its departure time/date?

Answer

a)

b)

c)

d)

e)