



Makes Maths Fun

Level 6 POSITION

Bloomsmath is a comprehensive mathematics program which provides a fun way for every student to be learning to the best of their ability.

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Position

Level 6 is designed for students in their sixth year at school often called Year 5. Students will use a variety of mapping skills.

Knowledge: Students will find places on a map using grid references and directions.



Students who demonstrate proficiency in this activity move on to Comprehension.



Students stop here as they require additional teacher support to master this activity.

Comprehension: Students will find the distance between locations using a scale diagram.



Students who demonstrate proficiency in this activity move on to Application.



Students stop here if time has run out or they require additional support with this activity.

Application: Students will use an old street directory to find local locations.



Students who demonstrate proficiency in this activity move on to Analysis.



Students stop here if time has run out or they require additional support with this activity.

Analysis: Students will use Google Maps to record the zoom levels available.



Students who demonstrate proficiency in this activity move on to Synthesis.



Students stop here if time has run out or they require additional support with this activity.

Synthesis: Students will match Google Map zoom levels to views.

Evaluation: Suggested questions provide a starting point for discussions related to Position.



Students may complete more or fewer activities for each learning outcome depending on the time allocated and their strength in the area being covered.



All students should participate in the Evaluation discussion to encourage the use of mathematical language, logical reasoning and reflection on that which they have completed.

Position - Level 6 - Students will use a variety of mapping skills.

Name: _____

Knowledge

Use this map to answer the questions.

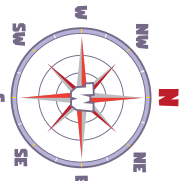


- OLD WEST**
- Log Riders
 - Railventure
 - Pop n' Popcorn
 - Old Town BBQ
 - Happy Lemon
 - Small Town Smoothie

- KIDZ FUN PARK**
- Hawk Tower
 - Tea Spin
 - Xtreme Slides
 - Insanquarium
 - Lily's Cotton Candy
 - Creamline Ice Cream

- FUN-TASY LAND**
- Space Battle
 - 5D Motion Simulator
 - 7 Seas Pirate Ship
 - Rocket Fuel Coffee
 - Mars Burgers
 - Pizza Planet

- PLAZA**
- Souvenir Shop
 - Burger Joint
 - KK Donuts
 - Sizzle n' Pop
 - Smoothies
 - Entrance



- ADVENTURE ISLAND**
- Alligator Escape
 - Rapid Adventure
 - Jungle Trouble
 - Boat Battlers
 - Palm Cove Burgers
 - Jungle Pizza
 - Krazy Coffe

- FOOD PARK**
- Burger Restaurant
 - Caffe la Tea
 - Al's Pizza
 - MM's Donuts
 - Santino's Pizza Strand
 - 7 Fruits Smoothie
 - Lemon Maid
 - Hot Hotdogs
 - Kettle Popper Corns

- MINI ZOO**
- Koalas
 - Butterfly Net
 - Giraffes
 - Otters

- E4
- E5
- G5
- H5
- E9
- E8
- F8
- H8
- G8
- F10, G10



Let's Try This Again



Progress To Comprehension

Name: _____

Knowledge Part 2

Position - Level 6 - Students will use a variety of mapping skills.

Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation

1. Wonderland is divided into themed areas. What are these themes?

2. How many food outlets are there within the park?

3. In which theme area would you find:

- a. Insaniquarium. _____
- b. Jungle Trouble. _____
- c. Log Riders. _____
- d. Space Battle. _____

4. Which attraction is located at the following numbers:

- a. K6 _____
- c. C8 _____
- b. H1 _____
- d. J10 _____

5. From the entrance to the park (F10,G10) which direction are the:

- a. Log Riders _____
- c. Boat Battlers _____
- b. Butterfly Net _____
- d. Rapid Adventure _____



Let's Try This Again



Progress To Comprehension



Name: _____

Comprehension

Using the theme park map in the **Knowledge** section with the scale 1cm = 25m answer each question below.

1. How far is it from the entrance to the Jungle Trouble in Adventure Island?
2. How far is it between Mars Burgers (Fun-tasy Land) and Palm Cove Burgers (Adventure Island)?
3. Which ride is 75m North of the Railventure?
4. If I started at the entrance and walked 25m North and then 100m East which ride would I be at?
5. Starting from Hawk Tower if I walk 25m South and then 25m East which ride would I be at?
6. How far is it from the Souvenir Shop to the Burger Restaurant in Food Park?
7. How far is it between the Koalas and the Otters in the Mini Zoo?
8. If I walk 150m West from the Boat Battlers in Adventure Island which ride would I be at?
9. Starting from the Park entrance, how far is the entrance to the Mini Zoo?
10. How long is the river that separates the Adventure Island?
11. How wide is the Food Park?
12. What is the overall size of Wonderland Park?
13. How far is it between Hawk Tower in Kidz Fun Land and Log Riders?
14. How far is it between Lemon Maid (Food Park) and Happy Lemon (Old West)?
15. Which ride is 75m below of the Boat Battlers?



Let's Try This Again



Progress To Application

Name: _____

Application

Using the internet print off a map of your local suburb so you can use a ruler to answer these questions.

1. How far is it on the map from your home to the school?

In a direct line?

Using string and following the road?

Using the maps scale how far is this in real terms?

In a direct line?

Using string and following the road?

2. How far is it on the map from your school to the medical centre or hospital?

In a direct line?

Using string and following the road?

Using the maps scale how far is this in real terms?

In a direct line?

Using string and following the road?

3. How far is it on the map from your home to the nearest shop?

In a direct line?

Using string and following the road?

Using the maps scale how far is this in real terms?

In a direct line?

Using string and following the road?



Let's Try This Again



Progress To Analysis

Name: _____

Analysis

Using Google maps, number these map levels in order from closest (1) to furthest away (17).

	$\frac{1}{4}$ Of The World
	10 - 20 Houses Or An Entire Building Complex
	10 To 15 Neighbouring Cities
	2 Or 3 Countries
	2 Or 3 Surrounding Cities
	3 Or 4 Houses With Numbers
	A Council District
	A Large Country Or Continent
	A Medium Sized City
	A State Or Territory
	A Street Block
	A Suburb
	An Entire Town Or 10 To 15 Suburbs / Postcodes
	Multiple Council Districts
	Multiple Neighbouring Suburbs (3 Or 4 Postcode Areas)
	Multiple States, Territories Or Small Countries
	Multiple Street Blocks

Position - Level 6 - Students will use a variety of mapping skills.

Knowledge
Comprehension
Application
Analysis
Synthesis
Evaluation



Let's Try This Again



Progress To Synthesis

Name: _____

Synthesis

Use the information from the **Analysis** activity and Google maps to record what you can see if you start at your home and zoom out 1 step at a time.

1. Home	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17. $\frac{1}{4}$ Of The World	

Knowledge
Comprehension
Application
Analysis
Synthesis
Evaluation

Position - Level 6 - Students will use a variety of mapping skills.



Let's Try This Again



Progress To Evaluation

Evaluation

The following questions and activities are provide as a starting point for fun discussions related to Position. During these conversations students will have an opportunity to use appropriate mathematical language in its correct context, to engage in reflection on the Position activities they have completed and to use logical reasoning to tie their in-class mathematics to its everyday context.



Looking at the theme park map. Plot out routes to get to various locations.



Looking at the theme park map. Calculate how many times larger it is than your school.



If possible show students an old street directory and how these were used before Google maps to travel places.



Have students use a map to direct each other to locations in the room.



Discuss the levels of zoom on Google maps and why these exist?



When might different levels be appropriate?

