







Glaciers of Antarctica!

WALT: Order decimals

A glacier is a large mass of ice that moves slowly down a mountain. Sometimes these are also called ice rivers.

The largest include the Lambert, Mellop, Byrd, Farrar, Slessor, Recovery, Hatherton, Filchner, Ronne, Mulock, Nimrod, Beardmore, Shackleton, Scott and Amundsen glaciers.

Here is a Glacial fact file on some of the glaciers in Antarctica.

		
Lambert Glacier Length: 400km Width: 100km Height: 2, 500m	Scott Glacier Length: 190km Width: 11km Height: 2,680m	Shackleton Glacier Length: 100km Width: 8-16km (use 16km) Height: 2,700m
		
Thwaites Glacier Length: 160km Width: 50km Height: 300m	Nimrod Glacier Length: 135km Width: 16km Height: 4, 350m	Beardmore Glacier Length: 200km Width: 40km Height: 2, 200m

Answer the following questions relating to these glaciers:

1. Which is the highest glacier?
2. Which is the longest glacier?
3. Which is the widest glacier?
4. What is the combined height of the two widest glaciers?
5. Convert the height of all the glaciers into kilometers.
6. Using the squared pages in your maths book make a bar chart showing the different heights in kilometers of the 6 glaciers above.
7. Using the squared pages in your maths book make a scatter plot graph showing the width of the glaciers in relation to their lengths.
8. Find two more glaciers in Antarctica. Record their height, width and length on a bar chart on your ipad/in your maths book.

Answers:

Answer the following questions relating to these glaciers:

9. Which is the highest glacier? **Nimrod Glacier at 4,350m high.**

10. Which is the longest glacier? **Lambert Glacier at 400km long.**

11. Which is the widest glacier? **Lambert Glacier at 100km wide.**

12. What is the combined height of the two widest glaciers?

Thwaites + Lamberts = 2,500m + 300m = 2,800m or 2.8km

13. Convert the height of all the glaciers into kilometers.

Lambert Glacier Height: 2, 500m = 2.5km	Scott Glacier Height: 2,680m = 2.68km = 2.7km	Shackleton Glacier Height: 2,700m = 2.7km
Thwaites Glacier Height: 300m = 0.3km	Nimrod Glacier Height: 4, 350m = 4.35km	Beardmore Glacier Height: 2, 200m = 2.2km

14. Using the squared pages in your maths book make a bar chart showing the different heights in kilometers of the 6 glaciers above.

[Heights Bar charts](#)

15. Using the squared pages in your maths book plot a scatter graph showing the width of the glaciers in relation to their lengths.

[Comparing length and Width of Glaciers](#)

16. Find two more glaciers in Antarctica. Record their height, width and length on a bar chart in your maths book.

[Bar Chart Comparison](#)

This is just an example!!!!!!

