

The Beast From The East Math Investigation

Central Scotland Snow Depths



West Of Scotland Snow Depths



Complete on plain paper. Show your working

- 1) Which towns in Scotland had the greatest and least snowfall?
- 2) What is the difference in depth between the two towns?
- 3) If the snow depth shown in Cumbernauld is after 2 days, can you predict the depths if the snow continues to fall. Complete the table below.

No. Days	2	4	6	8	9
Depth	26cm	52cm			

- 4) Convert the depth for day 9 from cm to m.
- 5) Which map shows the least snowfall? Why do you think this is?
- 6) The snow in Alexandra is expected to thaw at a rate of 7cm every 3 hours. How many hours will it take to thaw completely?
- 7) Emergency response teams are being dispatched to areas in severe danger. Any town with a snow depth of 32cm or more will receive immediate support. Which towns will this affect?
- 8) In the event of more snow they are preparing to send help to towns which are within a 4cm range below 32cm. Which towns would be included in this?
- 9) Complete the conversion timetable below.

Town	mm	cm	m
Airdrie	210mm	21cm	0.21m
Port Glasgow			
Kirkintilloch			
Greenock			
Cumbernauld			
Bishopton			
Kilmalcolm			
Killearn			
Dumbarton			

10) Select one of the maps. Create a bar graph to show the snowfall in all of the towns. Remember your graph must have:

- A title
- A labelled x (horizontal) and y (vertical) axis.
- Measurements on the y axis
- Bars should be drawn with a ruler
- Bars should be coloured in.

Once your graph is complete , can you create 3 maths textbook styled questions based on your data?

Complete on blank paper. If you want to challenge yourself, can you use ICT to create a bar graph