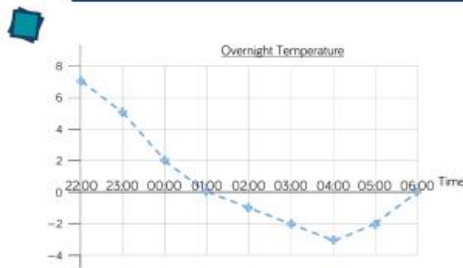


Friday

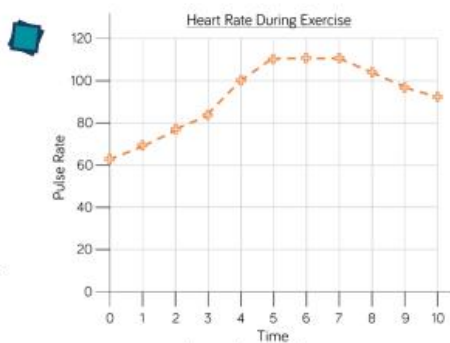
10.07.2020

Good morning Longboats, happy Friday! I hope that you are looking forward to the weekend and you've learnt lots of new information about graphs this week.

Starter



What was the highest/lowest temperature?
What time did they occur?
What is the difference between the highest and lowest temperature?
How long did the temperature stay at freezing point or less?



How long did it take for the pulse rate to reach the highest level? Explain your answer, using the graph to help.
What could have happened a 5 minutes?
What could have happened a 7 minutes?

Estimate what the pulse rate was after 2 and a half minutes. How did you get an accurate estimate?

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Main Activity

In the last two weeks, we have thought a little bit about how to organise data clearly – especially when choosing a scale for the y axis of a chart or graph. Sometimes, data isn't very clear though. Then, we have to look closely at the data to find out what it is really showing. The table on the next page is an example. Have a look at how the Olympics are being judged and see if you think it is fair.

Going for Gold

Here are the top ten nations in the table of medal winners for the 2012 Olympic Games:

Position	Flag	Nation	Gold	Silver	Bronze	Total
1		United States	46	29	29	104
2		China	38	27	23	88
3		Great Britain	29	17	19	65
4		Russian Fed.	24	26	32	85
5		South Korea	13	8	7	28
6		Germany	11	19	14	44
7		France	11	11	12	34
8		Italy	8	9	11	28
9		Hungary	8	4	5	17
10		Australia	7	16	12	35

1. Is it more important to win a lot of all kinds of medals (gold, silver and bronze) or to really push to win the gold medals and worry less about silver and bronze?

2. What do you think the rules are for handing out points and ranking the countries? Can you use the rankings in the table to explain how you know?

3. If the results were judged and counted differently, which nations would move up in the ranking? Which nations would move down?

Challenge

Design your own system for judging the Olympic teams.

Would you give out the same number of points for gold, silver and bronze medals? Or would you do it differently?

Write out your own rules for judging the Olympics to make it as fair as possible.

Finally, draw the new table of winners. Has anyone moved ranking? Do you think you made it fairer?