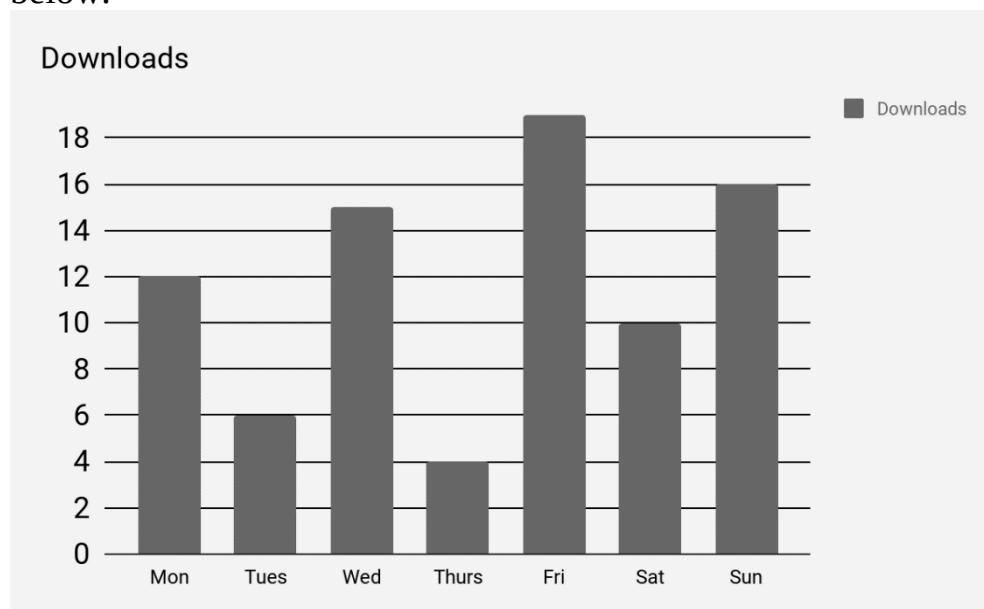


Q4-Q5 (Bar Chart) Day 109 Name: _____

1. Sam loves music and downloads different songs from the internet each week. He records the number of songs he downloads each day over the week. He compiles his results in a bar chart. Use the bar chart to answer the questions below.



a) Sam downloaded more songs on Friday than on Tuesday. **How many more?** Write your answer in the space below.

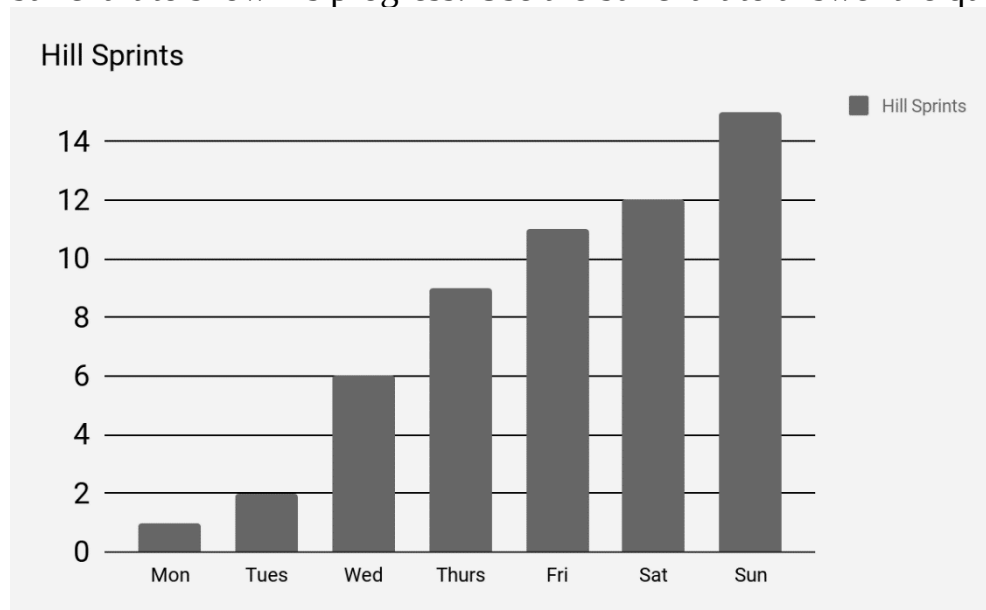
_____ downloads

b) On what day did Sam download the **fewest** songs? Write your answer in the space below.

c) Look again at the bar chart above. Over **two days there was a 50% decrease** in the number of downloads. Which two days? Write your answer in the space below.

_____ and _____

2. John has been given a training regime to follow that includes hill sprints. He tries to increase the number he completes each day over a week. He creates a bar chart to show his progress. Use the bar chart to answer the questions below.



a) John completed more sprints on Saturday than on Wednesday. **How many more?** Write your answer in the space below.

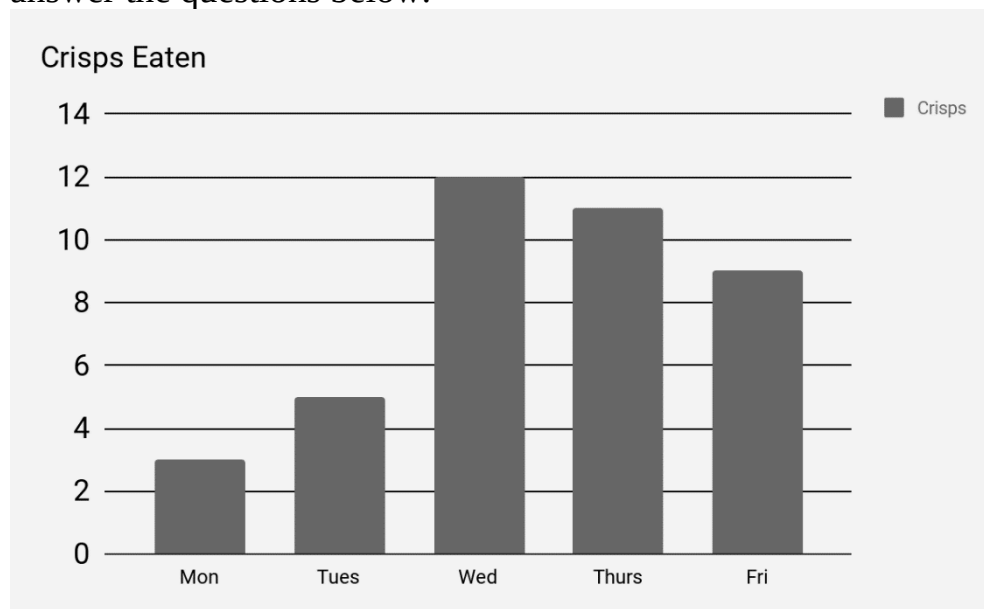
_____ hill sprints

b) On what day did John complete the **fewest** sprints? Write your answer in the space below.

c) Look again at the bar chart above. Over **two days there was a 100% increase** in the number of hill sprints. Which two days? Write your answer in the space below.

_____ and _____

3. Jen loves to eat crisps, but she knows that they aren't very good to eat all the time. She decides to record the number of packets of crisps she eats over a 5-day period to see how many she is eating and if she needs to cut down. She creates a bar chart to show the number of packets she eats. Use the bar chart to answer the questions below.



a) Jen ate more packets of crisps on Friday than on Monday. **How many more?** Write your answer in the space below.

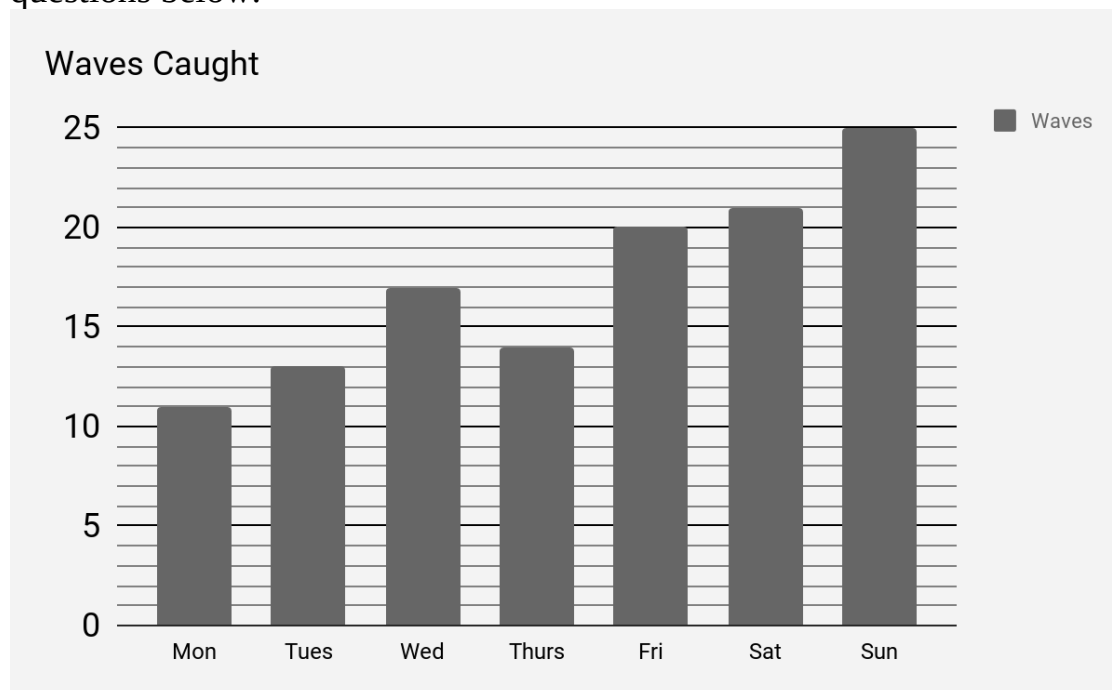
_____ packets of crisps

b) On what day did Jen eat the **greatest** number of packets of crisps? Write your answer in the space below.

c) Look again at the bar chart above. Over **two days there was a 25% decrease** in the number of crisps eaten. Which two days? Write your answer in the space below.

_____ and _____

4. Ruth is learning to surf, and she goes on an intensive weeks tuition. Every day she is out surfing over a period of a week and she records the number of waves she catches each day to see if she is improving. She creates a bar chart to show the number of waves she caught each day. Use the bar chart to answer the questions below.



a) Ruth caught more waves on Wednesday than on Tuesday. **How many more?** Write your answer in the space below.

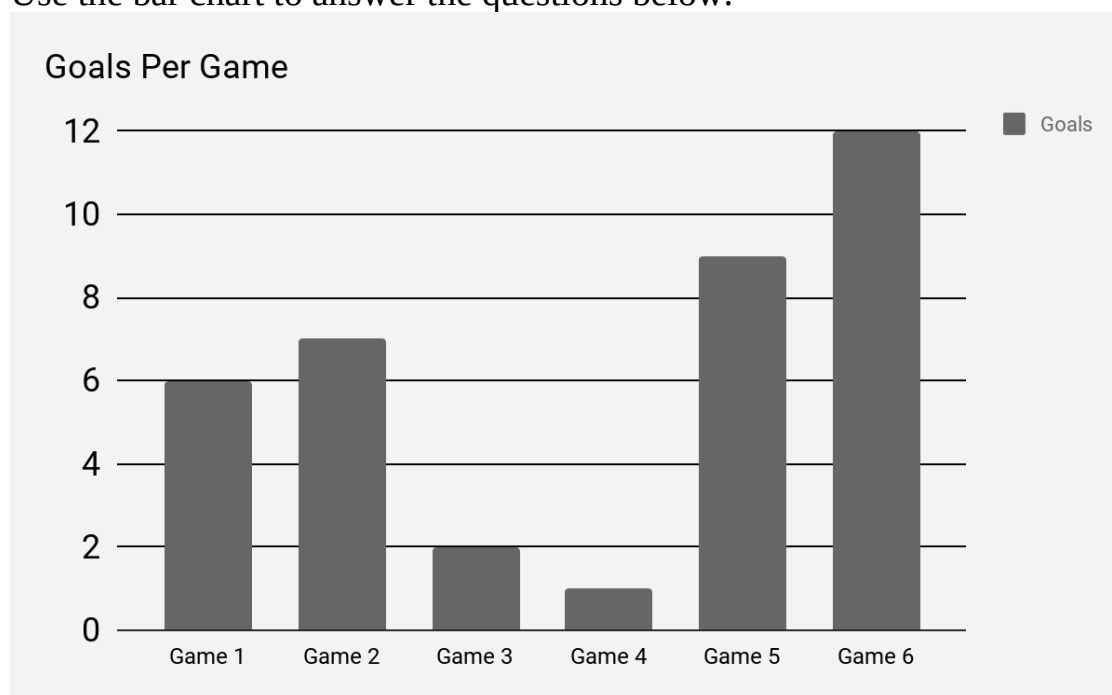
_____ waves

b) On what day did Ruth catch the **greatest** number of waves? Write your answer in the space below.

c) Look again at the bar chart above. Over **two days there was a 25% increase** in the number of waves caught. Which two days? Write your answer in the space below.

_____ and _____

5. Ben is playing for his local football team in a tournament. Over the day they play six games against different opposition. He decided to record the number of goals his team scores in the six matches and enters the results into a bar chart. Use the bar chart to answer the questions below.



a) Ben's team scored more goals in game 6 than in game 2. **How many more?** Write your answer in the space below.

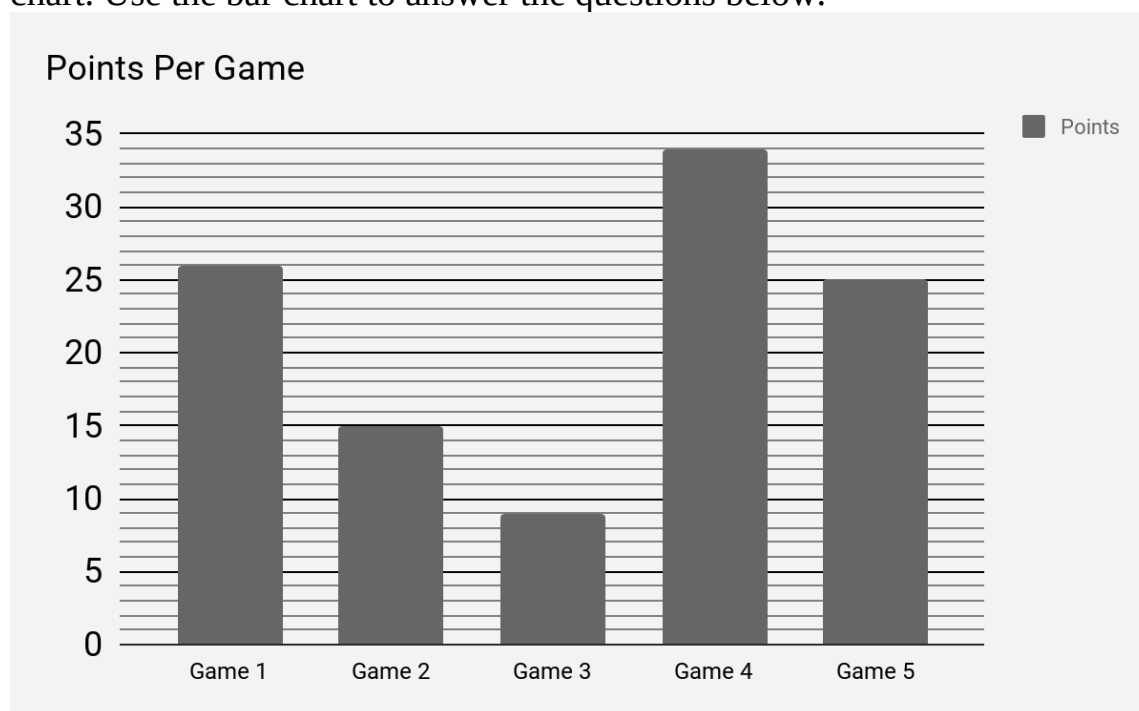
_____ goals

b) In what game did Ben's team score the **second fewest** amount of goals? Write your answer in the space below.

c) Look again at the bar chart above. Over **two games there was a 50% decrease** in the number of goals scored. Which two games? Write your answer in the space below.

_____ and _____

6. Patrick is playing for his local rugby team in a tournament. Over the day they play five games against different opposition. He decided to record the number of points his team scores in the five matches and enters the results into a bar chart. Use the bar chart to answer the questions below.



a) Patrick's team scored more points in game 5 than in game 3. **How many more?** Write your answer in the space below.

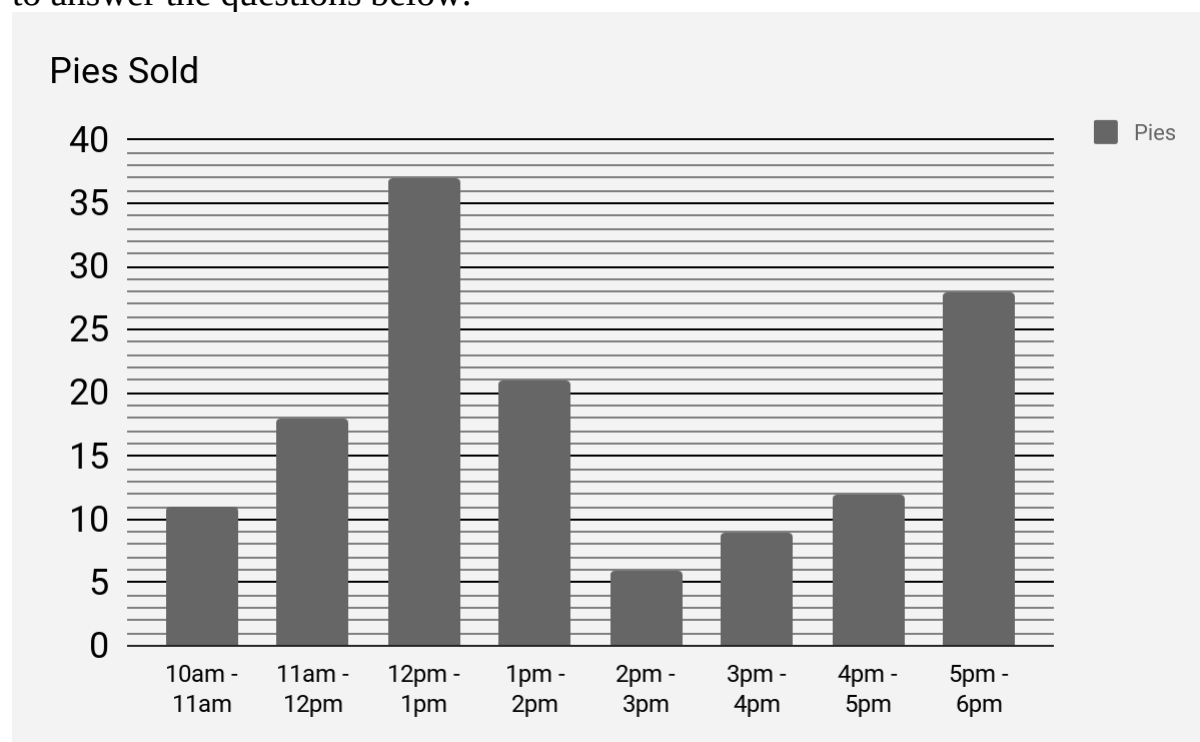
_____ points

b) In what game did Patrick's team score the **second most** amount of points? Write your answer in the space below.

b) Look again at the bar chart above. Over **two games there was a 40% decrease** in the number of points. Which two games? Write your answer in the space below.

_____ and _____

7. Johnny has a pie company and is selling his pies at the local food and drink festival. He decides to record the number of pies sold over the day in 1-hour periods. He compiles his results and puts them into a bar chart. Use the bar chart to answer the questions below.



a) Johnny sold more pies between 12pm – 1pm than between 4pm – 5pm. **How many more?** Write your answer in the space below.

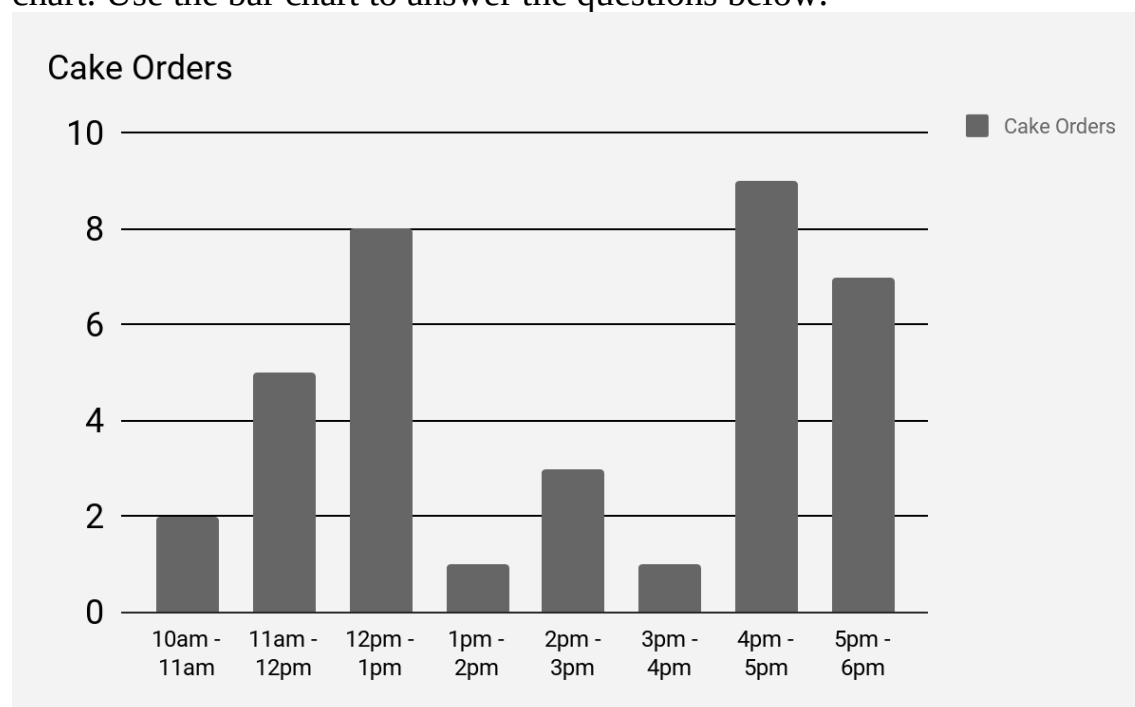
_____ pies

b) In what time frame did Johnny sell the **third fewest** amount of pies? Write your answer in the space below.

c) Look again at the bar chart above. Over **two consecutive time periods there was a 50% increase** in the number of pies sold. Which two time periods? Write your answer in the space below.

_____ and _____

8. Jennifer runs a wedding cake business. She attends a wedding fair to gain orders for her business. She decides to record the number of orders she receives over the day in 1-hour periods. She compiles her results and puts them into a bar chart. Use the bar chart to answer the questions below.



a) Clare took more orders between 12pm – 1pm than between 2pm – 3pm. **How many more?** Write your answer in the space below.

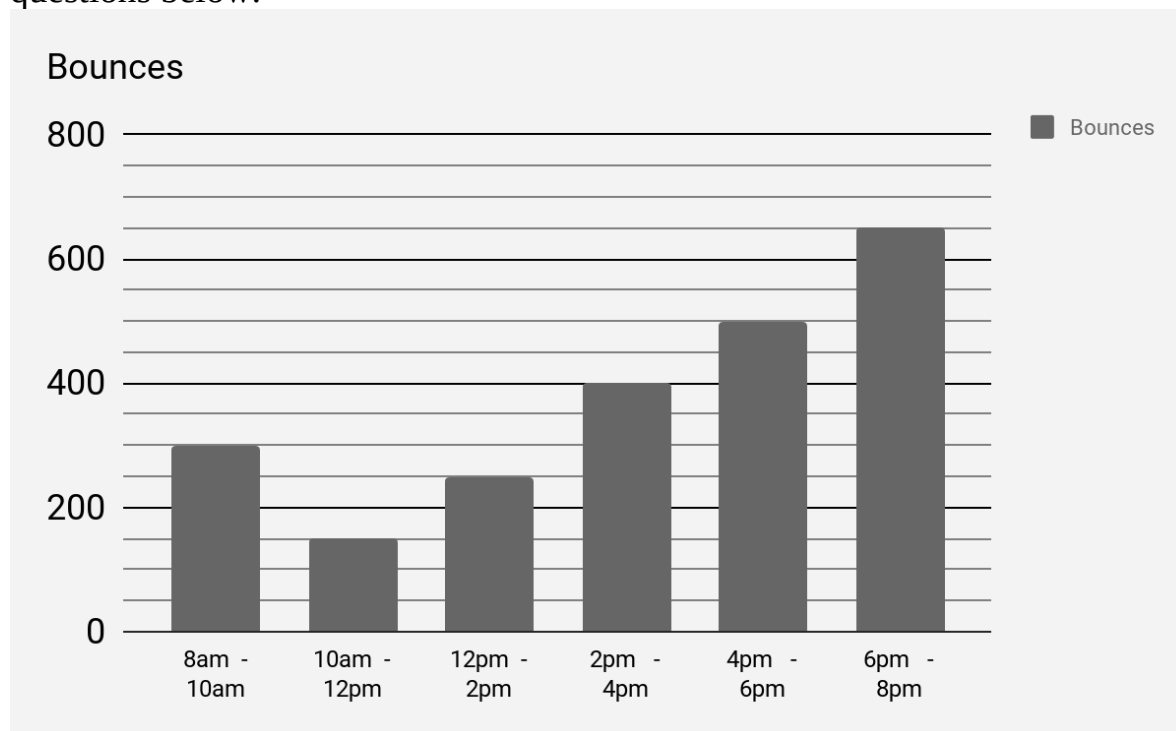
_____ orders

b) In what time frame did Clare take the **third greatest** amount of orders? Write your answer in the space below.

c) Look again at the bar chart above. Over **two time periods there was a 60% increase** in the number of cake orders. Which two time periods? Write your answer in the space below.

_____ and _____

9. Max has just got a new trampoline. He is out on it all day and decides to see how many bounces he can do over the whole day. He decides to record the number of bounces he completes over the day in two-hour periods. He compiles his results and puts them into a bar chart. Use the bar chart to answer the questions below.



a) Max bounced more times between 4pm – 6pm than between 10am – 12pm. **How many more?** Write your answer in the space below.

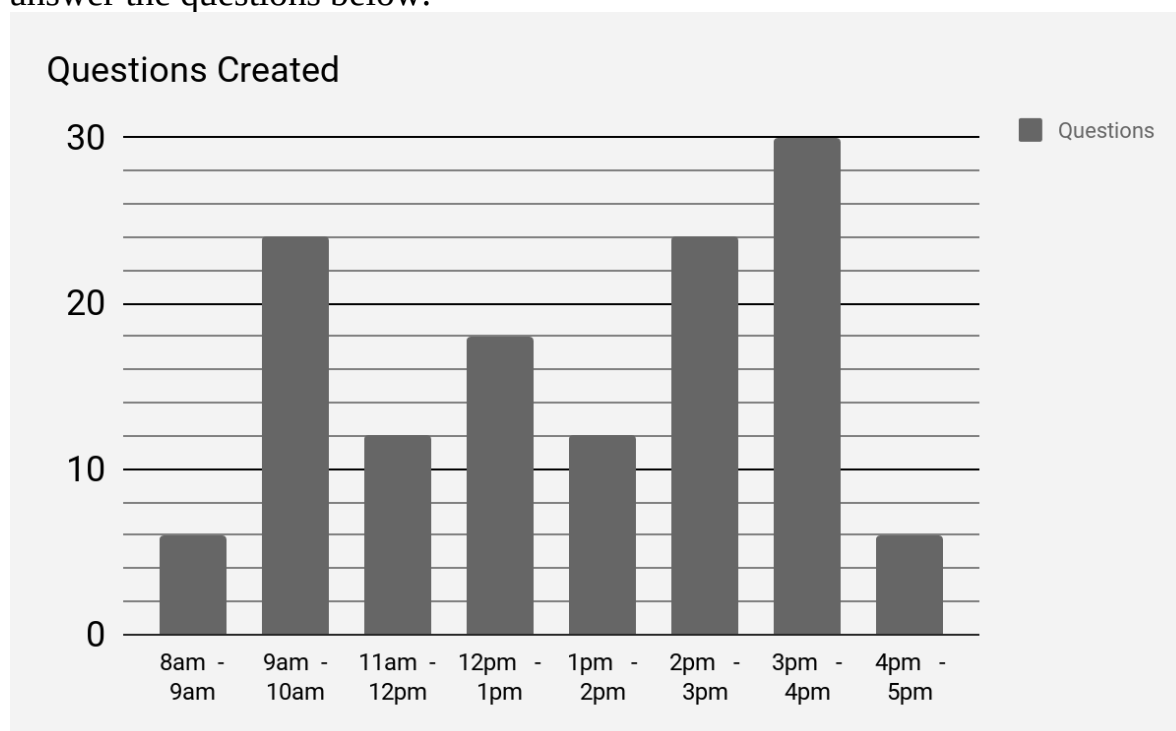
_____ bounces

b) In what time frame did Max achieve the **third greatest** amount of bounces? Write your answer in the space below.

c) Look again at the bar chart above. Over **two time periods there was a 60% increase** in the number of bounces. Which two time periods? Write your answer in the space below.

_____ and _____

10. Mr Stirling is working on a new worksheet to help his class with the AQE. He decides to record the number of questions he completes each hour over the day. He compiles his results and puts them into a bar chart. Use the bar chart to answer the questions below.



a) Mr Stirling created more questions between 3pm – 4pm than between 11am – 12pm. **How many more?** Write your answer in the space below.

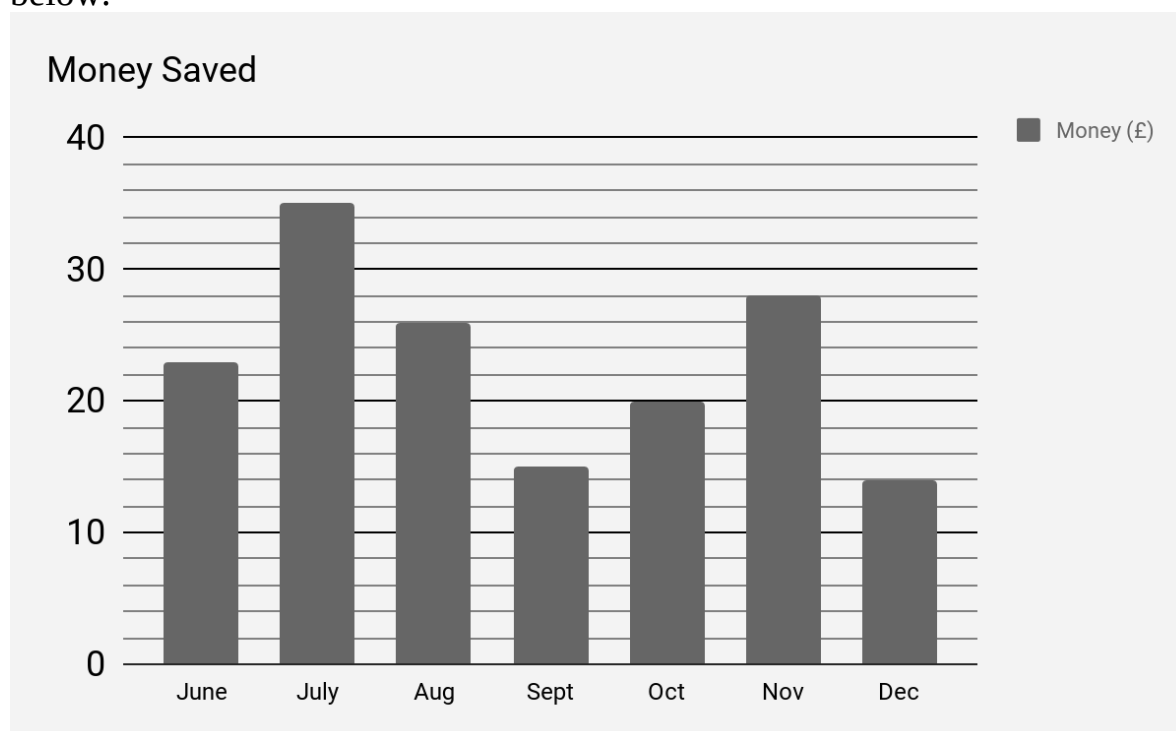
_____ questions

b) In what time frame did Mr Stirling create the **fifth fewest** amount of questions? Write your answer in the space below.

c) Look again at the bar chart above. Over **two consecutive time periods** there was a **300% increase** in the number of worksheets. Which two time periods? Write your answer in the space below.

_____ and _____

11. Grace has decided to start saving to buy gifts for Christmas. It is the start of July, so she has six months to save. She compiles her savings and puts them into a bar chart to track her progress. Use the bar chart to answer the questions below.



a) Grace saved more money in the month of November than the month of September. **How much more?** Write your answer in the space below.

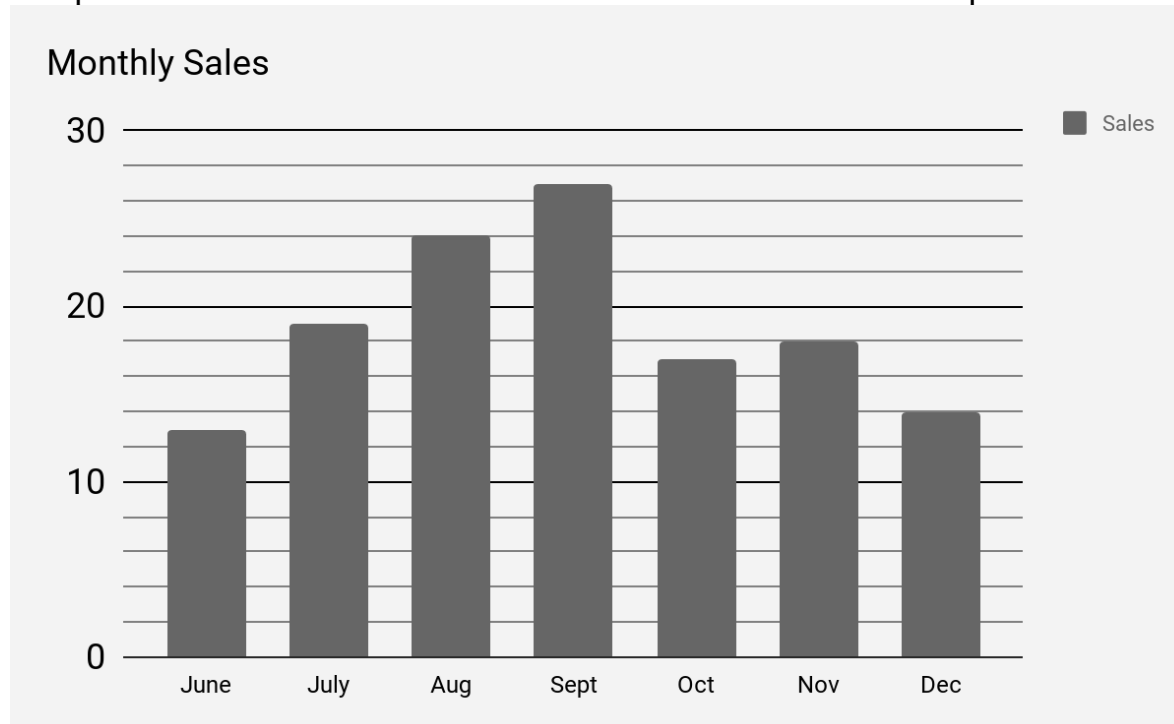
£ _____

b) In what month did Grace save the **second greatest** amount? Write your answer in the space below.

c) Look again at the bar chart above. Over **two months there was a 50% decrease** in the number of money saved. Which two months? Write your answer in the space below.

_____ and _____

12. Michael is a salesman for his business. He sells lights to different companies. He decides to start recording the number of sales he makes each month over a 6-month period. He compiles the results into a bar chart to compare the different months. Use the bar chart the answer the questions below.



a) Michael made more sales in the month of August than the month of October. **How many more?** Write your answer in the space below.

_____ sales

b) In what month did Michael achieve the **fourth greatest** amount of sales? Write your answer in the space below.

b) Look again at the bar chart above. Over **two months there was a $33\frac{1}{3}\%$ decrease** in the number of sales. Which two months? Write your answer in the space below.

_____ and _____

Answers

- | | | |
|-----------|--------------|--------------------------------|
| 1. a) 13 | b) Thurs | c) Mon - Tues |
| 2. a) 6 | b) Mon | c) Mon - Tues or Wed - Sat |
| 3. a) 6 | b) Wed | c) Wed - Fri |
| 4. a) 4 | b) Sun | c) Fri - Sat |
| 5. a) 5 | b) 3 | c) 3 - 4 or 6 - 1 |
| 6. a) 16 | b) 1 | c) 2 - 3 or 5 - 2 |
| 7. a) 25 | b) 10am-11am | c) 2pm-3pm 3pm - 4pm |
| 8. a) 5 | b) 5pm-6pm | c) 11am - 12pm 12pm - 1pm |
| 9. a) 350 | b) 2pm-4pm | c) 12pm - 2pm 2pm - 4am |
| 10.a) 18 | b) 12pm-1pm | c) 8am - 9am 9am - 10am |
| 11.a) 13 | b) Nov | c) Nov - Dec |
| 12.a) 7 | b) Nov | c) Sept - Nov |