Q3 (Line Graph) Day 2   Name: _____
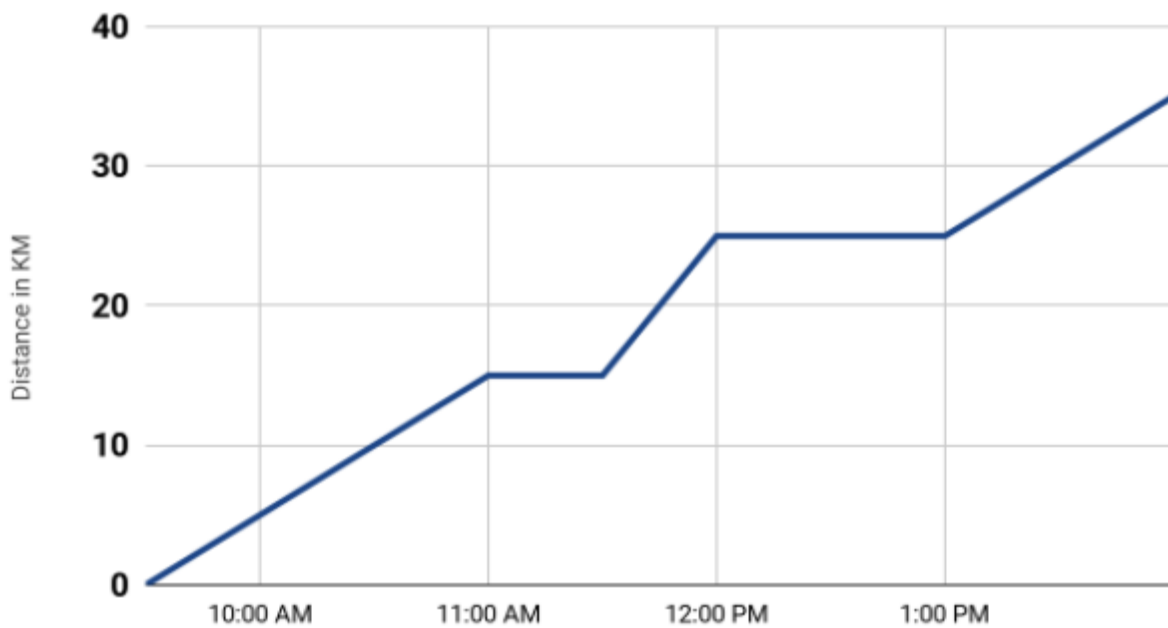
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1. John goes on a trip to Hollywood. On the way he stops twice to take in the views along the coast.

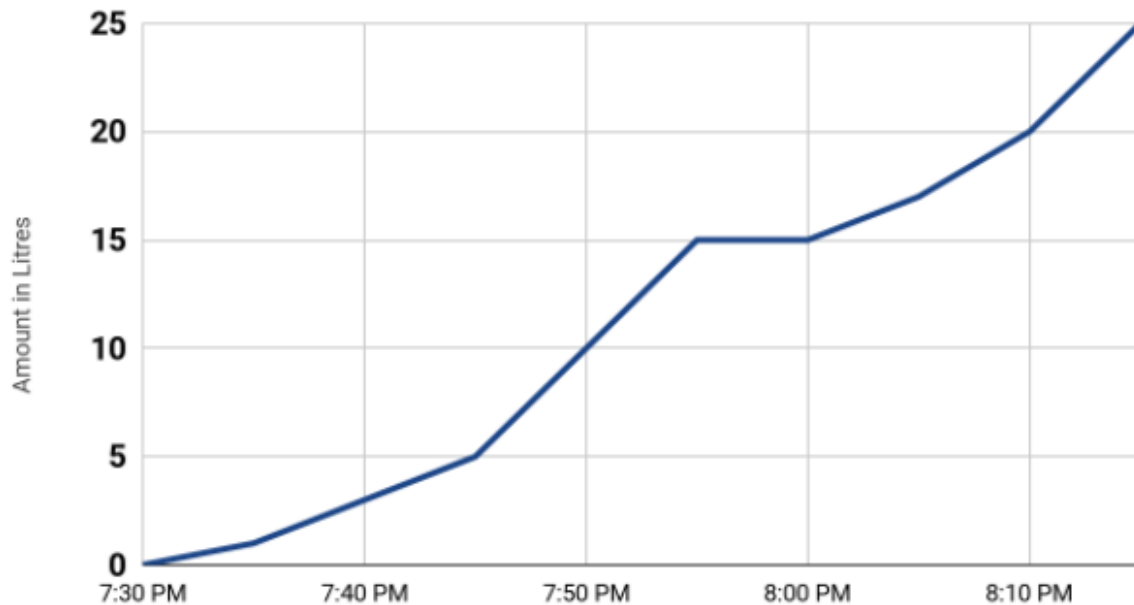John's Distance Travelled to Hollywood

How long in **minutes** did he stop for **in total**? Write your answer in the space below.

_____mins

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2. Jen is running a bath after a long day at work to relax. The line graph below outlines the amount of water in litres that was put in the bath from 7:30pm to 8:15pm.

Running a bath

a) Jen went to make a cup of tea during the time of running the bath and turned the tap off and then back on when she returned. **What time did she turn the tap off?** Write your answer in the space below in **24-hour clock**.
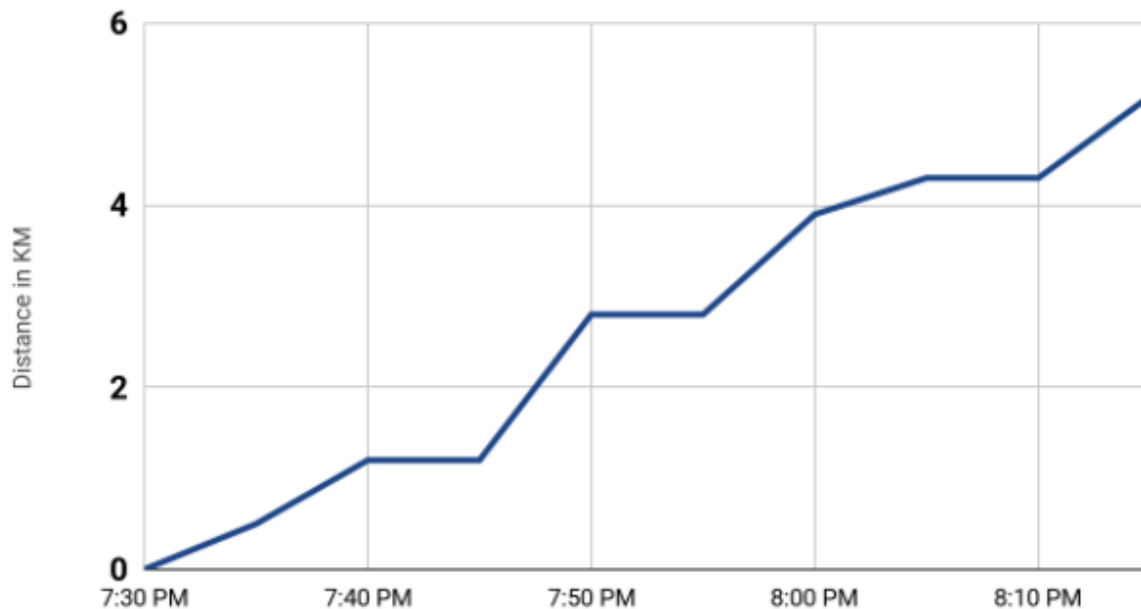
_____

b) How long was she away making a cup of tea? Write your answer in the space below.

_____mins

3. Ruth is running a race for charity, it involves 4 different stages:

1) Swim   2) Cycle   3) Row   4) Run

Running a Race

a) How long in **minutes** did she have to stop for between each part of the race **in total**? Write your answer in the space below.

_____mins

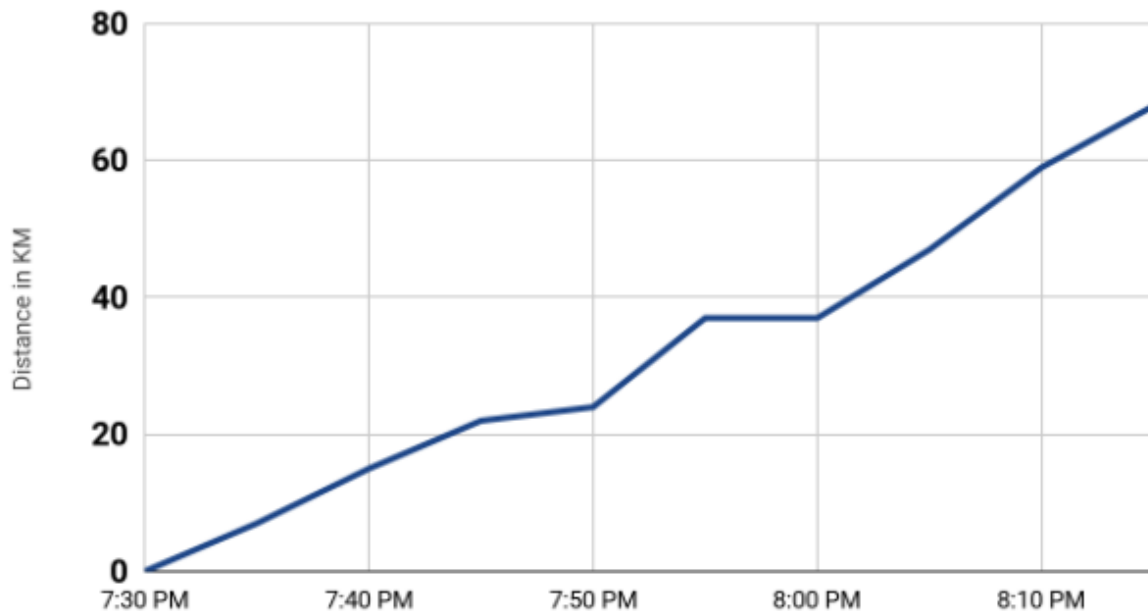b) At what time did Ruth **start the cycling phase** of the race? Write your answer in the space below in **24-hour clock**.

_____

4. Lewis Hamilton is in a Formula One Race. Below is a line graph outlining the distance he has driven over a 35-minute period of the race.

Formula One Race

a) During the race he had to have a pit stop to refuel and change tyres. At what **time** in the race did he have to go for his **pit stop**? Write your answer below.
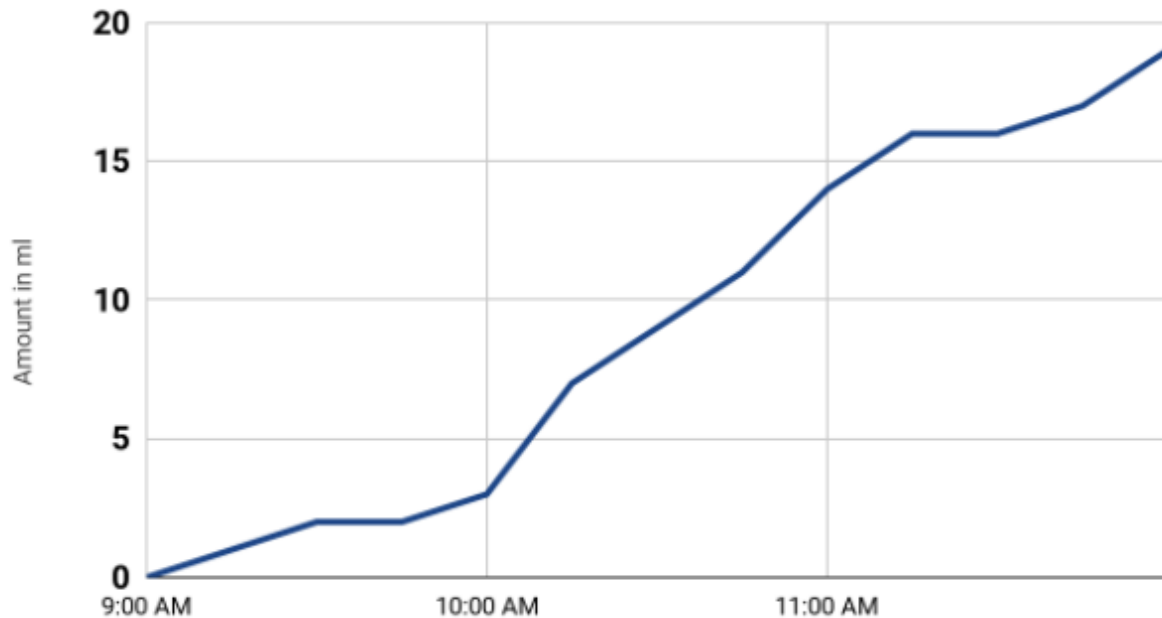

_____pm

b) Between which **5-minute period** of the race was Lewis Hamilton **driving the slowest**? Write your answer in the space below.

Between _____pm and _____pm

5. Mr Stirling's class is collecting water in the yard to see how much it rains over the day. They check the water level at regular intervals throughout the day. Below is the line graph that they produced the next day from their results.

Collecting Water in P7

a) There were two periods over the morning when it did not rain at all. One of them was between 9:30am and 9:45am. **When was the other time?** Write your answer in the space below.
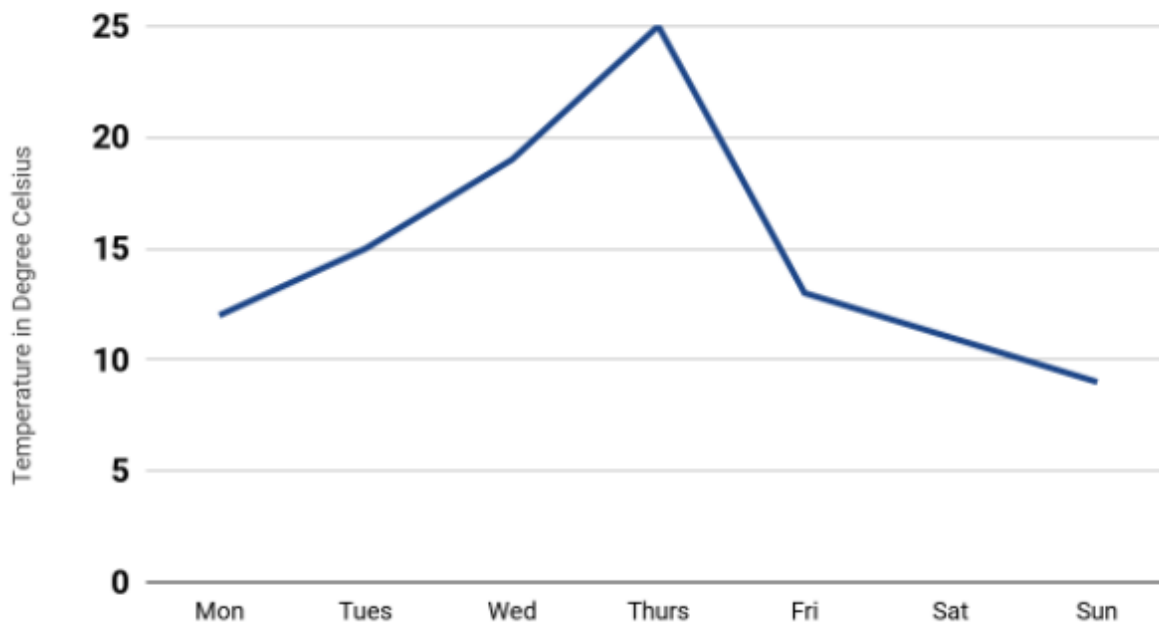

Between _____and _____.

b) Estimate how much water was collected in total over the morning. Write your answer in the space below.

_____ml

6. Below is a temperature graph for Bangor over a week in the Summer holidays.

Temperature Graph For Bangor

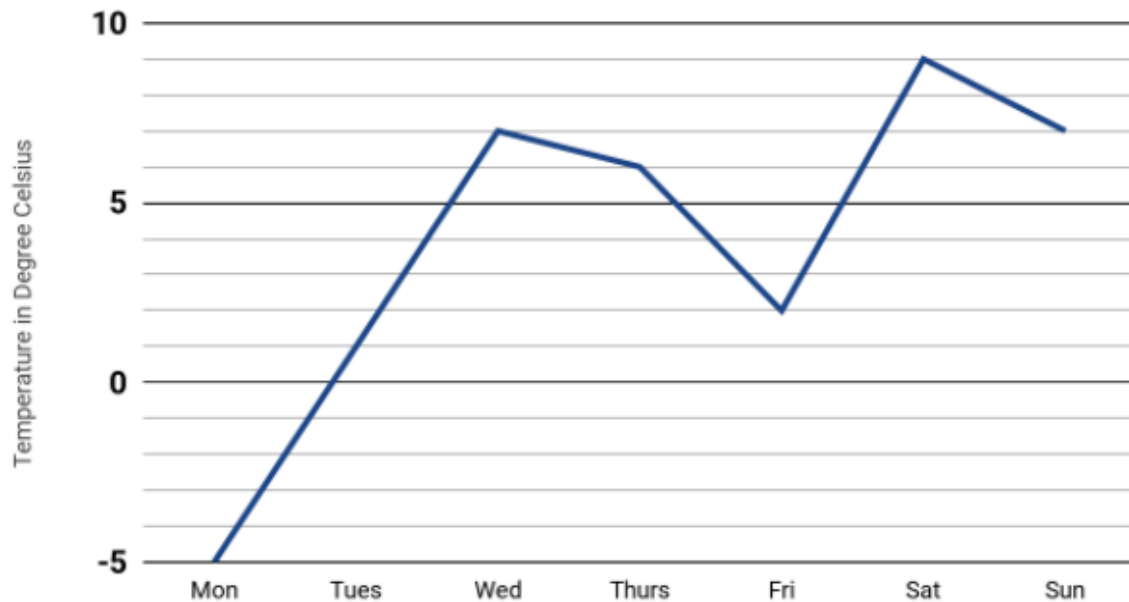a) Estimate the temperature on the **Friday** of the above week. Write your answer in the space below.

_____°C

b) The temperature on the Thursday was 25°C. One of the other days was $\frac{3}{5}$ of the temperature recorded on Thursday. What day was this? Write your answer in the space below.

_____

7. Sam and his friend Graham go to New York during winter to visit old school friends. Below is a line graph showing the temperature over the week.

Temperature Graph For New York

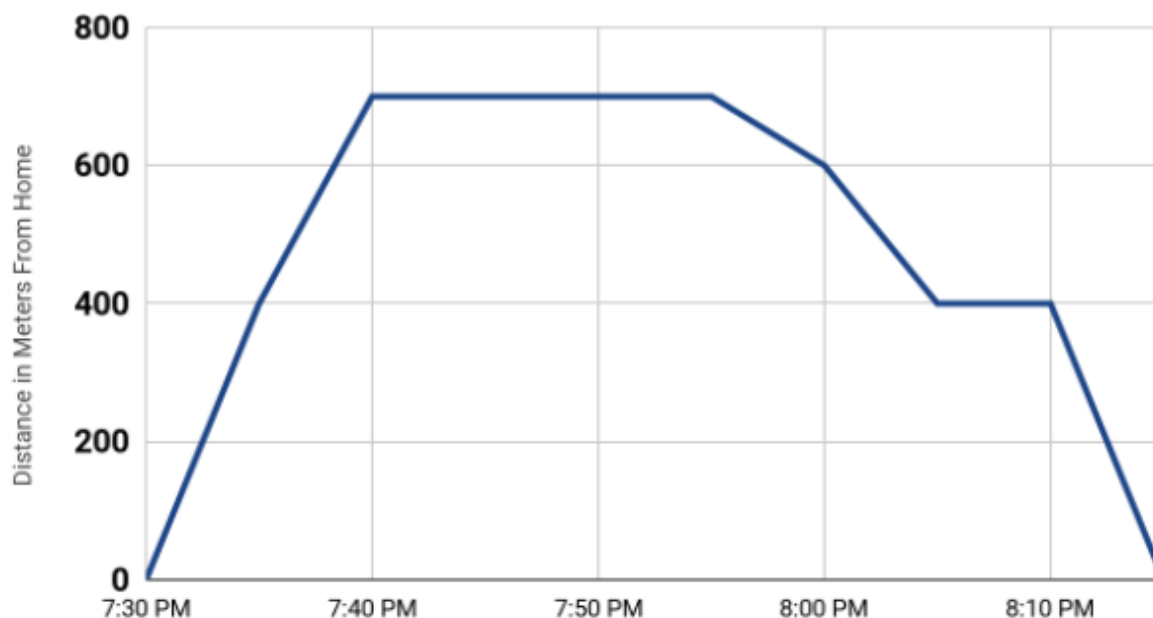a) What was the **total** of the temperatures on Friday and Saturday? Write your answer in the space below.

_____

b) What was the **difference** in temperature between Monday and Wednesday? Write your answer in the space below.

_____

8. Derek takes his dog Barney for a walk to the local park. Below is a graph which outlines the journey there and back to the house.

Walking the dog (Barney)

a) How long in **minutes** did Derek spend at the park throwing the ball for Barney? Write your answer in the space below.

_____mins

b) On the way back to the house Barney needed to stop to go to the toilet. At what time was this? Write your answer in the space below **in 24-hour clock**.
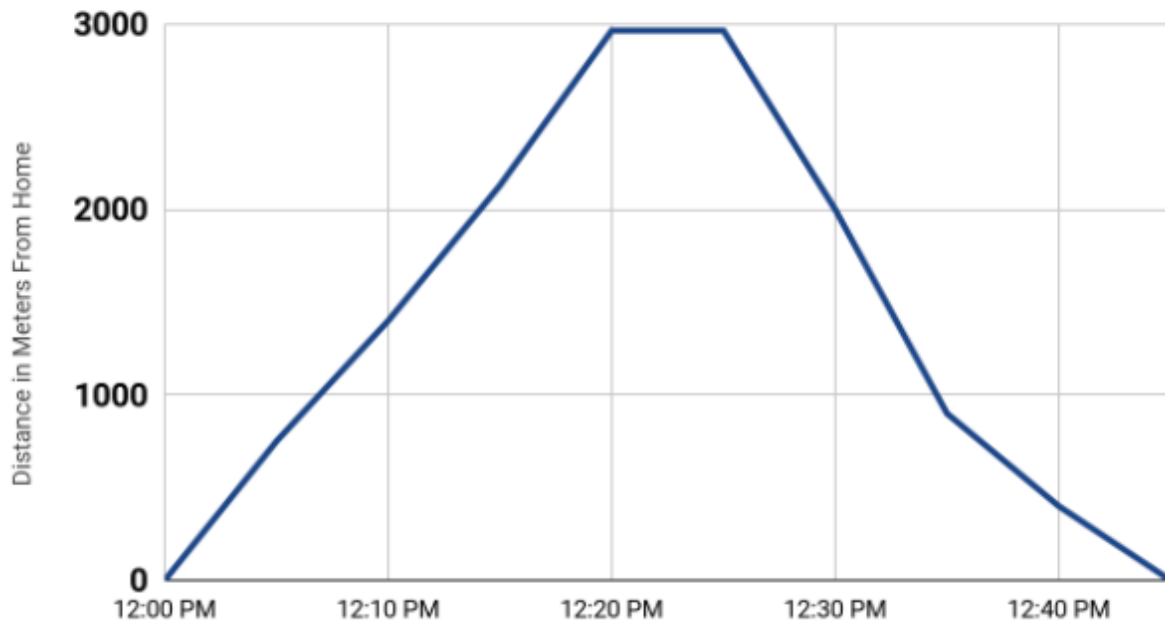
_____

9. Grace is preparing for a race with her work. She decides to go for a run around the block to get herself ready. The Garmin watch shows her distance and times in the line graph below.

Jogging Round the Block

a) Grace stops about half way through her run for a quick break. How long did she stop for? Write you answer below in **seconds**.
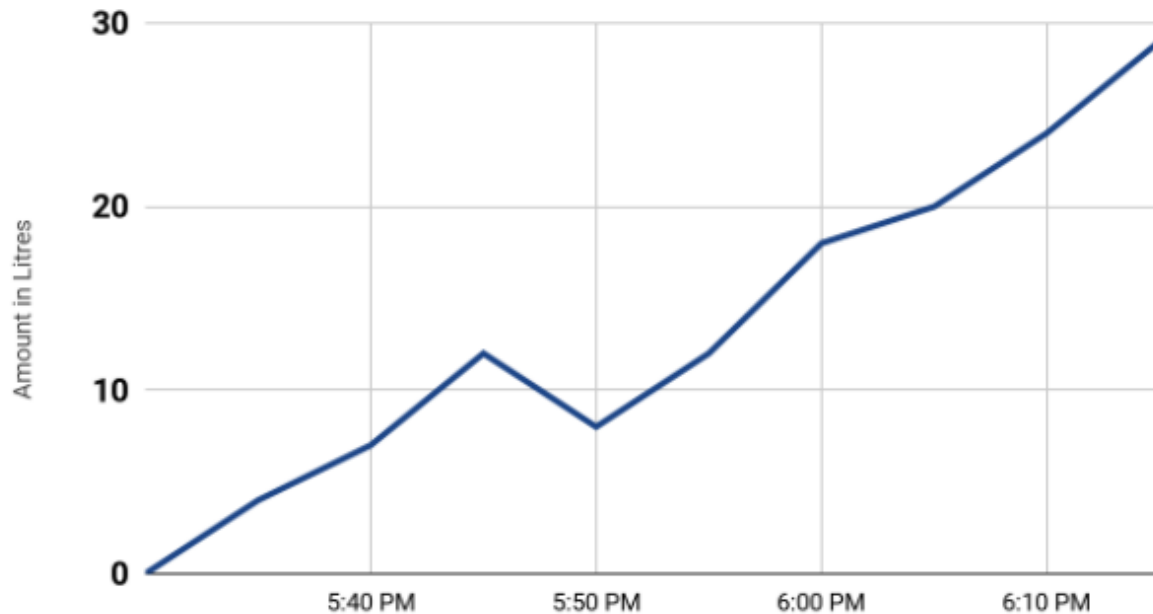
_____seconds

b) After Grace stopped for her break how long did it take her to run **back** to her house? Write your answer below in **minutes**.

_____mins

10. In the summer Sam is filling his paddling pool for his son Austin. Below is a line graph to show how much water went into the paddling pool in litres.

Filling a paddling Pool

a) Austin couldn't wait to get into the paddling pool and jumped in before it was filled, splashing water out of the paddling pool. **At what time was this?** Write your answer in the space below.
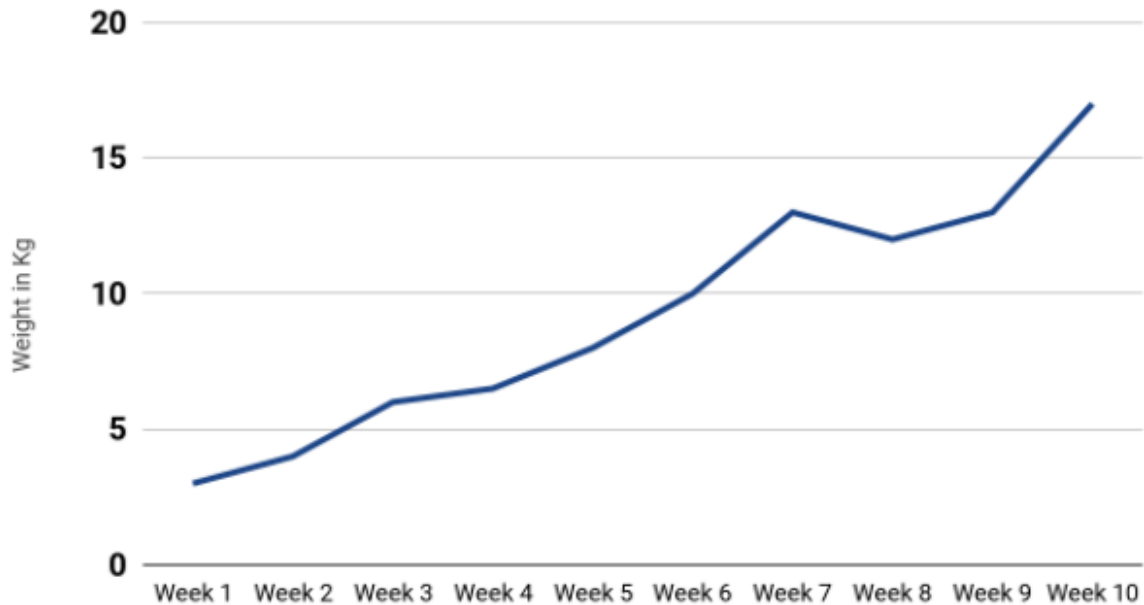
_____pm

b) Estimate how much water Austin **splashed out** of the paddling pool. Write your answer below in litres.

_____litres

11. Below is a line graph showing baby Mia's weight over the first 10 weeks of her life.

Babies Week Over 10 Weeks

a) Over the 10 weeks there was a period when baby Mia's weight **dropped**. Between which weeks did her weight drop? Write your answer in the space below.

Between week ____and week ____.

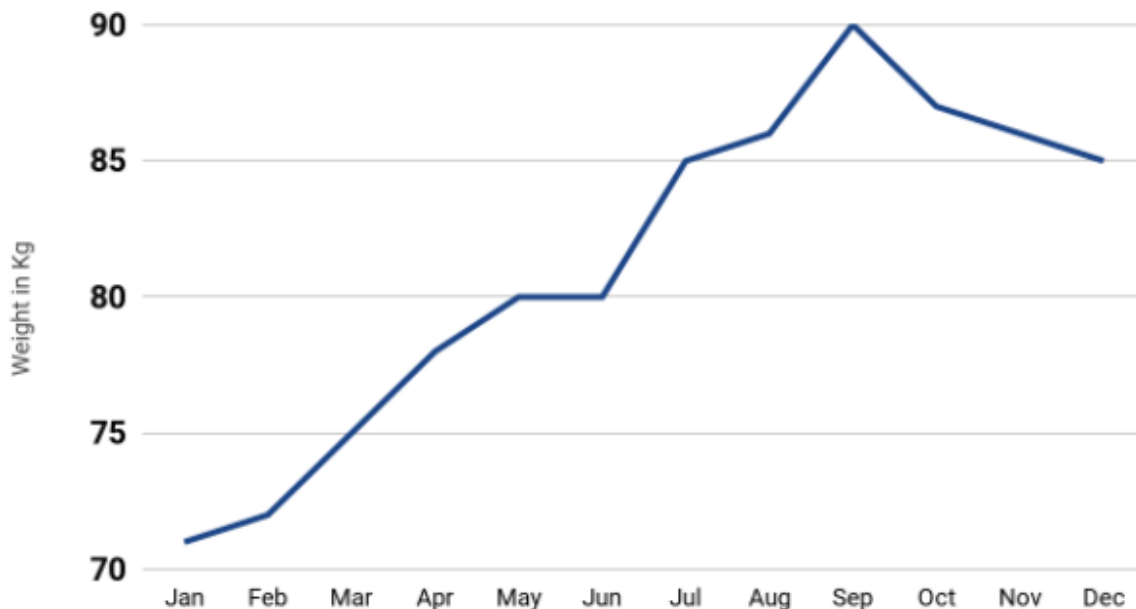b) What was baby Mia's weight in **week 6**? Write your answer below.

_____kg

12. Sam wants to put on some weight to perform better in rugby. Below is a line graph to show his weight change over the year.

Sam's Weight Over 12 Months

a) Sam's target weight is 85kg. There are two months when he hits this target weight. What are they? Write the names of the **two** months below.

_____ and _____

b) Estimate how much weigh Sam **lost** between September and October. Write your answer in the space below.

_____kg

Answers

1. **90**
2. **a) 19:55**   **b) 5**
3. **a) 15**   **b) 19:45**
4. **a) 7:55**   **b) 7:45 and 7:50**
5. **a) 11:15 and 11:30** **b) 18 or 19**
6. **a) 13 or 14**   **b) Tuesday**
7. **a) 11**   **b) 12**
8. **a) 15**   **b) 20:05**
9. **a) 300 secs**   **b) 20 mins**
10. **a) 5:45**   **b) 2 or 3 or 4**
11. **a) 7 and 8**   **b) 10**
12. **a) Jul and Dec**   **b) 3 or 4**