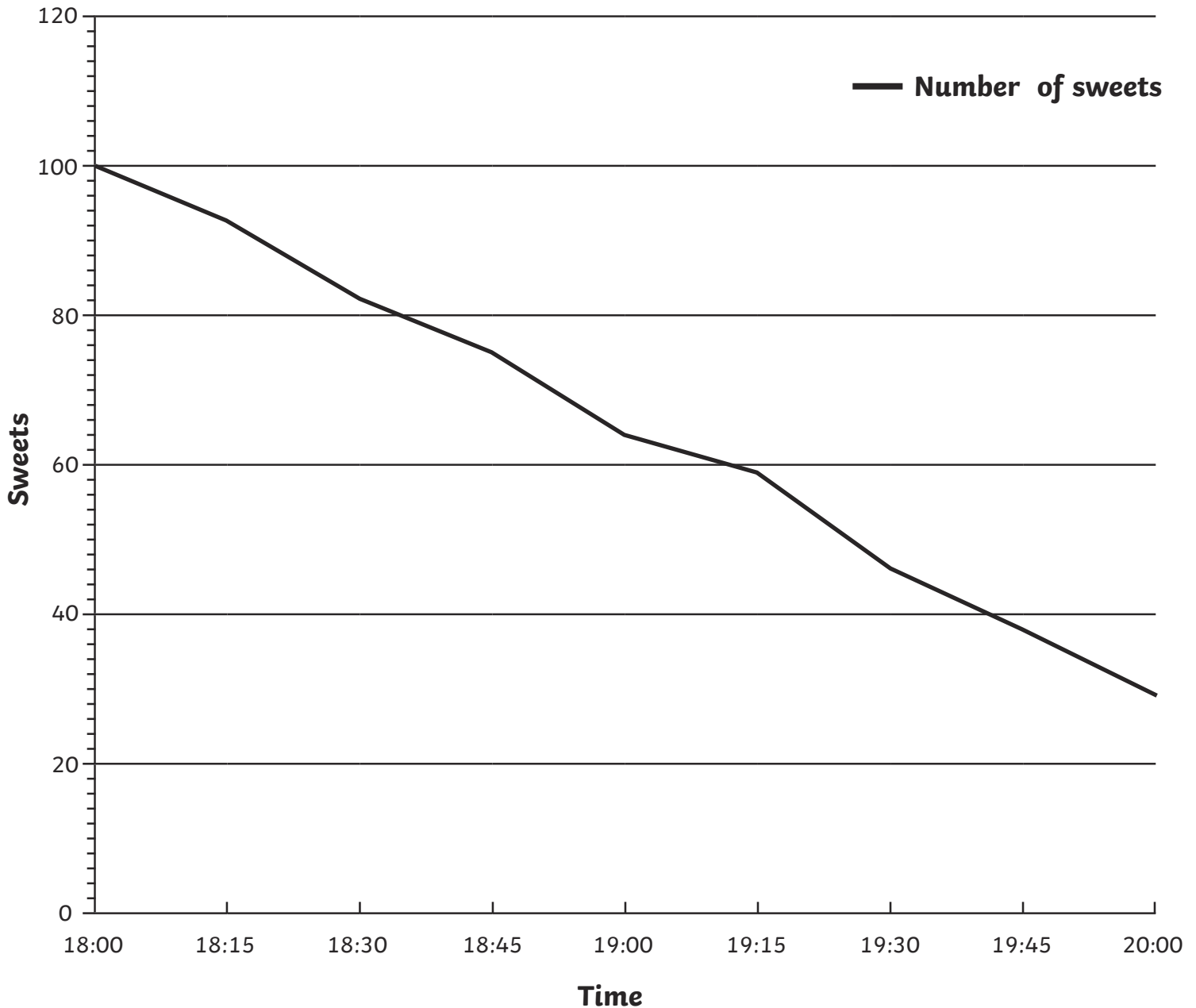


Halloween Line Graphs

Aim: I can interpret a line graph

A family give out sweets on Halloween. They record how many sweets they have every 15 minutes and use the data to draw a line graph.

Number of Sweets



Halloween Line Graphs Questions

1. Use the graph to complete a table in which the data was recorded.

Time	Number of Sweets

2. How many sweets were given away between 18:15 and 18:30?

3. How many sweets were given out between 18:30 and 19:00?

4. What was the difference between the number of sweets given out from 18:00 – 18:30 and 18:30 – 19:00?

5. In which 15-minute period were the least sweets given out?

6. Estimate how many sweets will be given out between 20:00 and 20:15.

Halloween Line Graphs **Answers**

1. Use the graph to complete a table in which the data was recorded.

Time	Number of Sweets
18:00	100
18:15	93
18:30	82
18:45	75
19:00	64
19:15	59
19:30	46
19:45	38
20:00	29

2. How many sweets were given away between 18:15 and 18:30?

11

3. How many sweets were given out between 18:30 and 19:00?

18

4. What was the difference between the number of sweets given out from 18:00 – 18:30 and 18:30 – 19:00?

The same

5. In which 15-minute period were the least sweets given out?

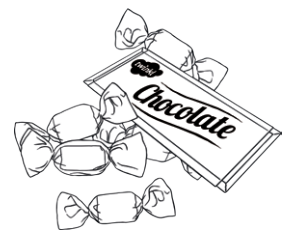
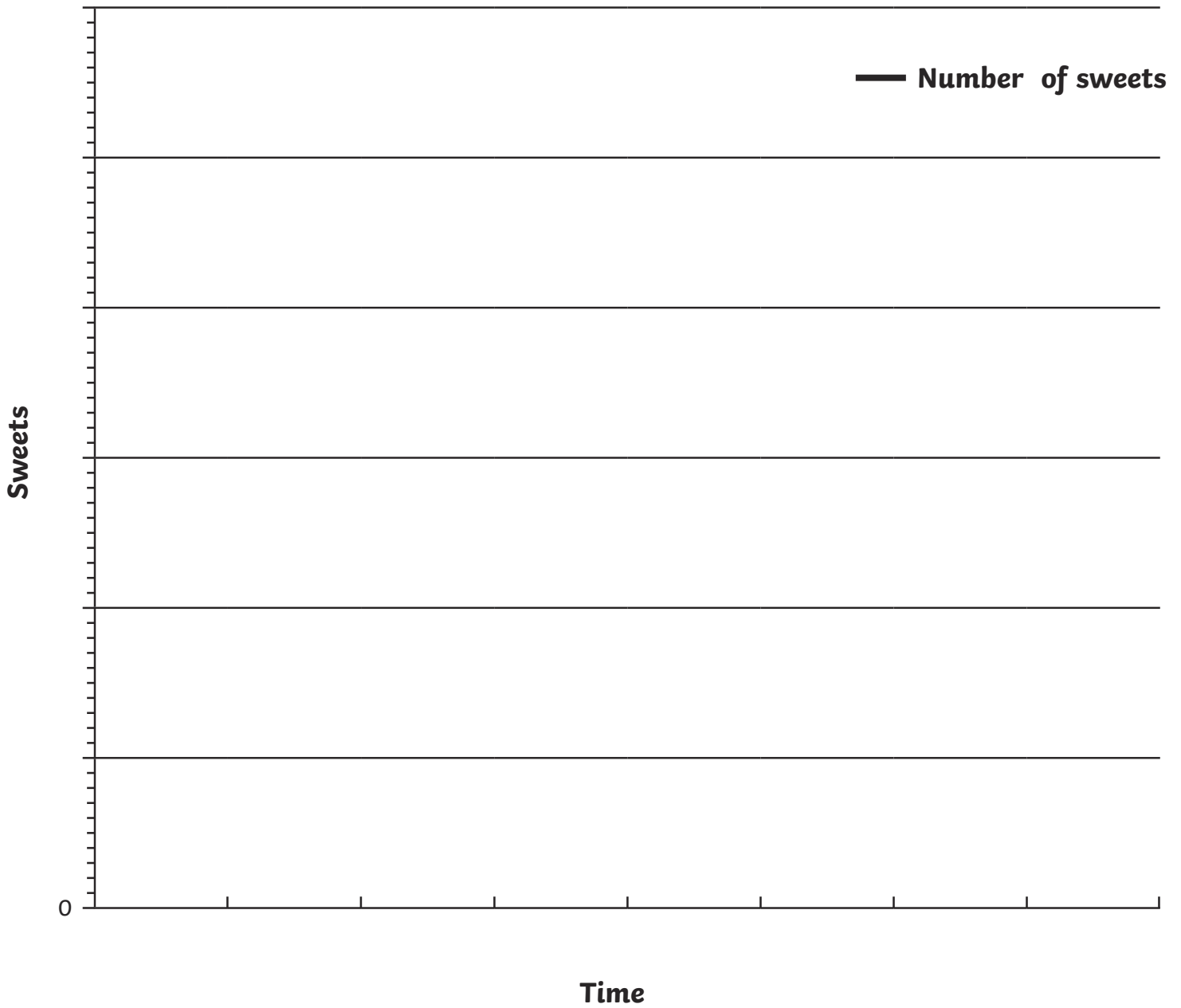
19:00 – 19:15

6. Estimate how many sweets will be given out between 20:00 and 20:15.

0 – 12 sweets is likely but could be more up to 29.

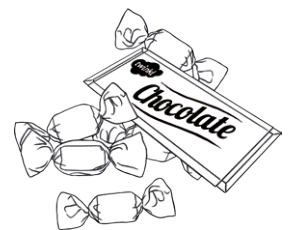
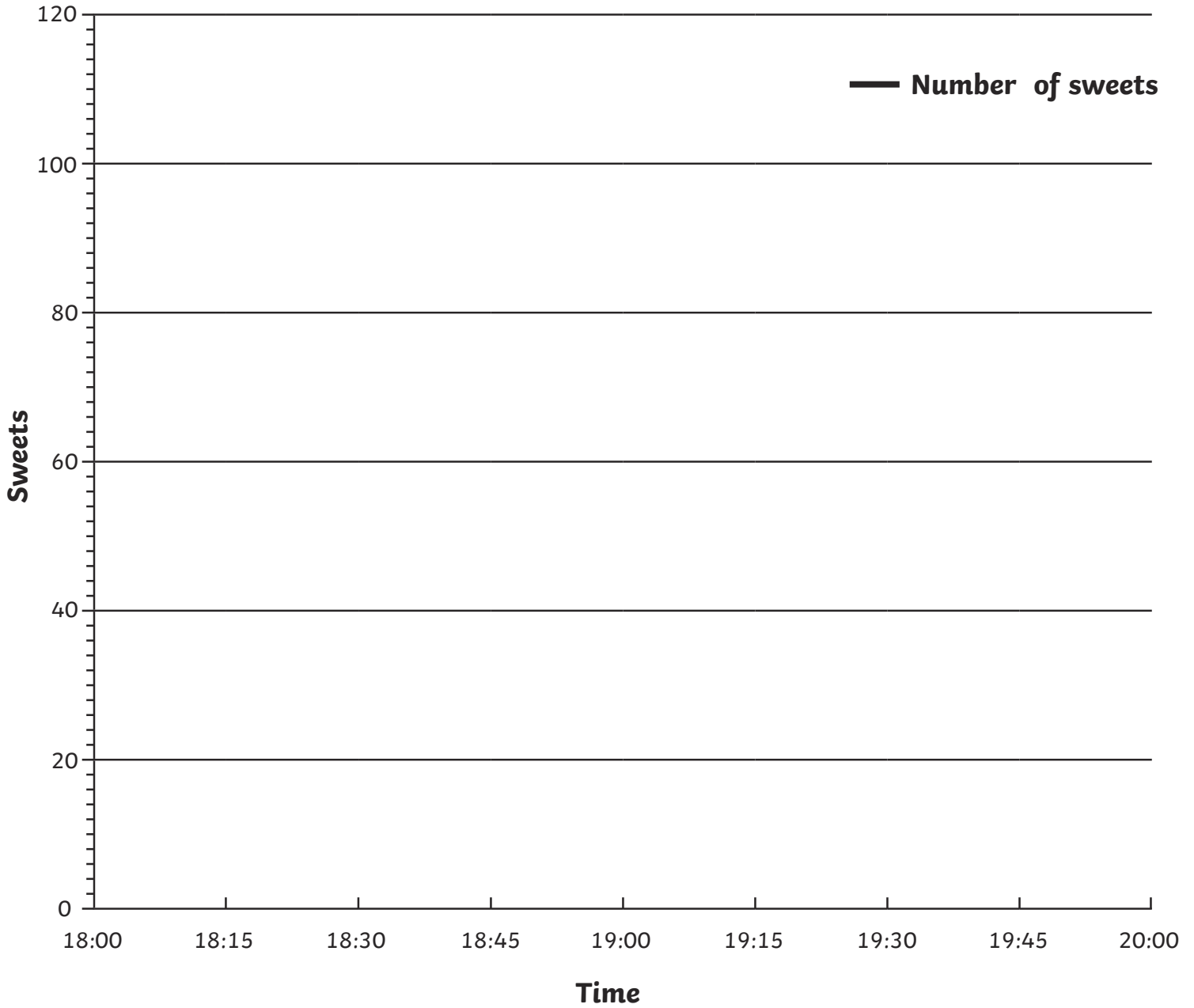
Draw the line graph yourself.

Number of Sweets



Draw the line graph yourself.

Number of Sweets

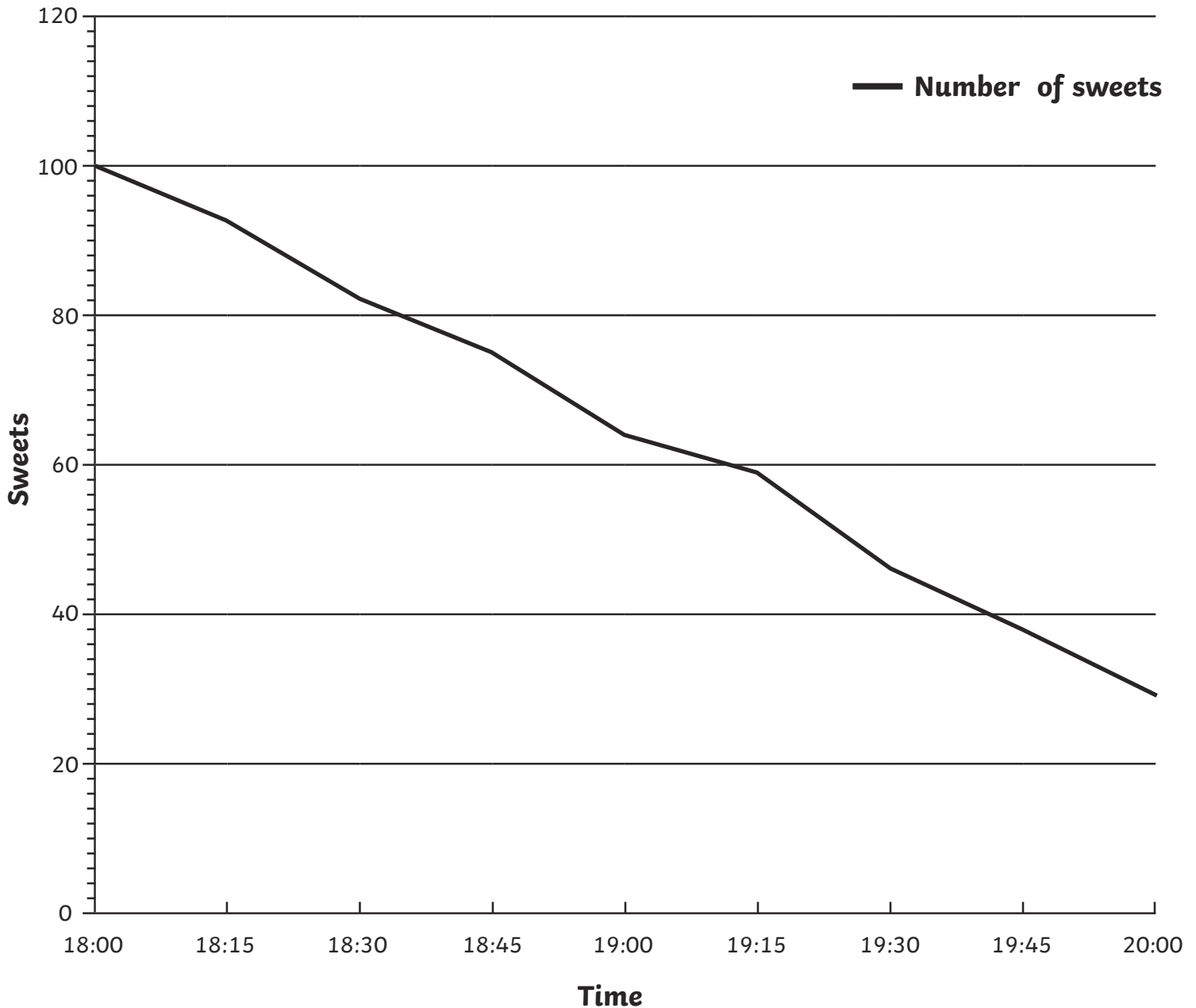


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Number of Sweets



Halloween Line Graphs Questions

1. Use the graph to complete a table in which the data was recorded.

Time	Number of Sweets

2. In which 15-minute period(s) were the most sweets given away?

3. How many sweets were given out between 18:30 and 19:30?

4. Were more sweets given out in the first hour or the second hour?

5. How many sweets were given out from 18:15 to 19:15 and 18:45 to 19:45?

6. If the family continued to give out sweets for another half hour, what would you expect to happen?

Write your own set of data for a Halloween event and write some questions for a partner to answer.

Halloween Line Graphs **Answers**

1. Use the graph to complete a table in which the data was recorded.

Time	Number of Sweets
18:00	100
18:15	93
18:30	82
18:45	75
19:00	64
19:15	59
19:30	46
19:45	38
20:00	29

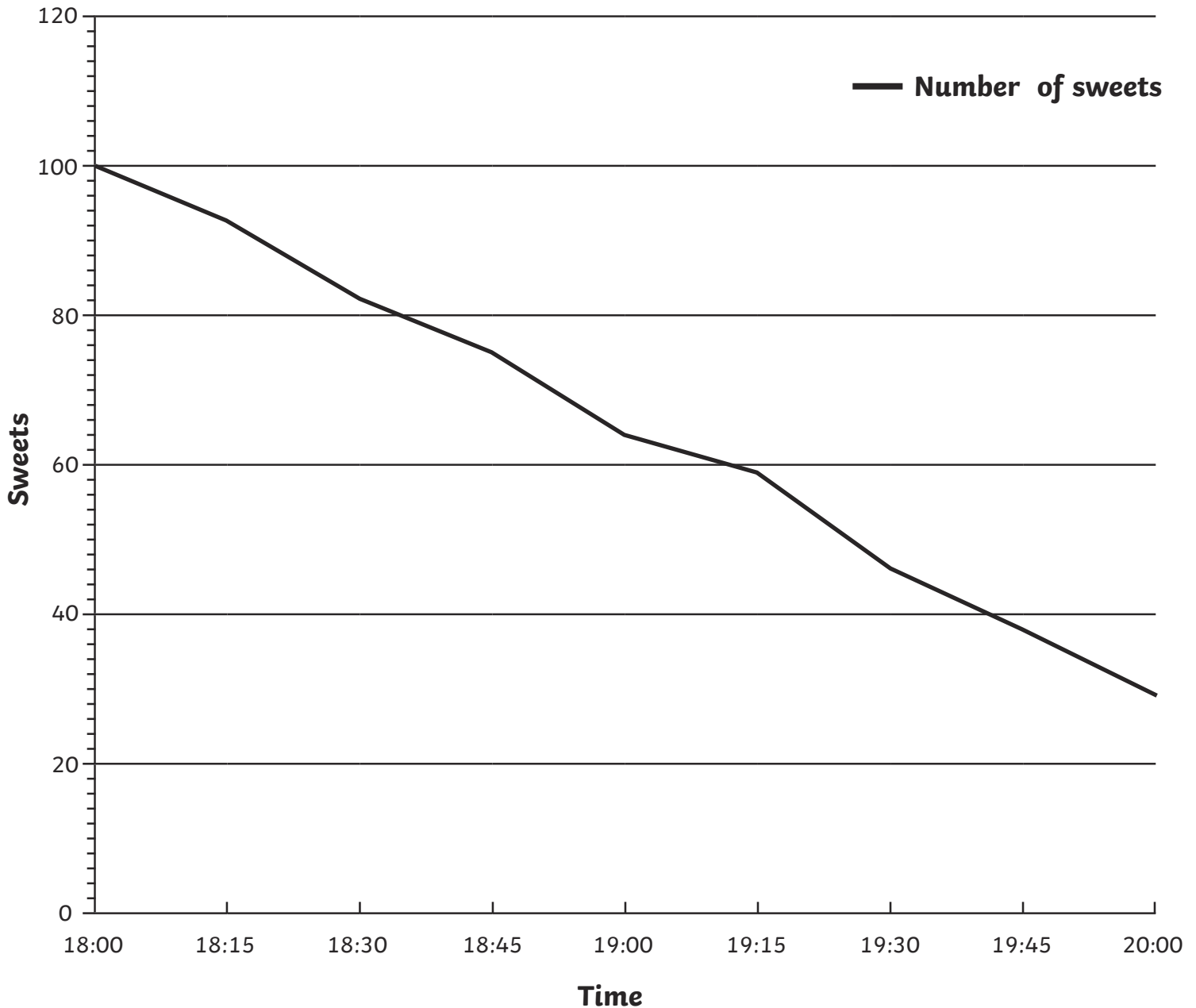
2. In which 15-minute period(s) were the most sweets given away?
18:15 – 18:30 and 18:45 – 19:00
3. How many sweets were given out between 18:30 and 19:30?
36
4. Were more sweets given out in the first hour or the second hour?
36 > 35 so first hour
5. How many sweets were given out from 18:15 to 19:15 and 18:45 to 19:45?
34 and 37
6. If the family continued to give out sweets for another half hour, what would you expect to happen?
Up to 18 sweets would be given out unless the family gave all the rest away in one go.

Halloween Line Graphs

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A family give out sweets on Halloween. They record how many sweets they have every 15 minutes and use the data to draw a line graph.

Number of Sweets



Halloween Line Graphs Questions

1. Use the graph to complete a table in which the data was recorded.

Time	Number of Sweets

2. What is the average number of sweets given out in each 15-minute period?

3. What would you look for in the graph to find the period when most sweets were given out?

4. What was the difference between the number of sweets given out in the first hour and the second hour?

5. In which hours were the most and least sweets given out?

6. If the family continued to give out sweets for another hour, what would you expect to happen?

Halloween Line Graphs **Answers**

1. Use the graph to complete a table in which the data was recorded.

Time	Number of Sweets
18:00	100
18:15	93
18:30	82
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19:00	64
19:15	59
19:30	46
19:45	38
20:00	29

2. What is the average number of sweets given out in each 15-minute period?

8.875 sweets

3. What would you look for in the graph to find the period when most sweets were given out?

Steepest line

4. What was the difference between the number of sweets given out in the first hour and the second hour?

36 – 35 = 1

5. In which hours were the most and least sweets given out?

18:45 – 19:45 (37 sweets) and 18:15 – 19:15 (34 sweets)

6. If the family continued to give out sweets for another hour, what would you expect to happen?

If sweets continue to be given out, then all the sweets could be given out, but as it gets later it may be no one will come to collect any.