Charts and Carroll Diagram

> ➤ 10 children took a English test that was marked out of 5.
> Here are their scores. 3, 2, 5, 4, 3, 1, 4, 5, 2, 3

Fill in the tally chart below.

1. Write all the scores in order, from lowest to highest.		Score	Tally	Frequency
_____		1		
2. What is the mode of the scores?				
_____		2		
3. What is the range of the scores?		3		
_____				
4. What is the median of the scores?		4		
_____				
5. What is the mean of the scores?		5		
_____				

Here are the levels of 20 students in SATS.
2, 5, 4, 3, 5, 3, 4, 5, 4, 3, 2, 5, 4, 4, 3, 5, 4, 3, 2, 5

6. Complete the tally chart.		Score	Tally	Frequency
7. What is the mode of the scores?		1		
_____				
8. What is the range of the scores?		2		
_____		3		
9. What is the median of the scores?				
_____		4		
10. What is the mean of the scores?				
_____		5		

> Put the following numbers into the correct place on Carroll diagram A:

1	2	3	4	7	9	12	16
21	25	36	48	49	50	81	100

	Carroll Diagram A	Square Numbers	Not Square Numbers
11.	Even Numbers		
12.	Not Even Numbers		

> Put the following numbers into the correct place on Carroll diagram B:

1	2	3	4	5	6	10	14
15	20	21	27	28	35	47	55

	Carroll Diagram B	Multiples of 5	Not Multiples of 5
13.	Even Numbers		
14.	Not Even Numbers		

> Put the following numbers into the correct place on Carroll diagram C:

1	2	3	4	5	6	10	14

	Carroll Diagram C	Factors of 24	Not factors of 24
15.	Even Numbers	.	
16.	Not Even Numbers		

TopLevels.co.uk

> Put the following numbers into the correct place on Carroll diagram D:

1	2	6	7	15	18	21	25
28	32	35	39	45	49	62	84
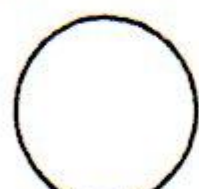
	Carroll Diagram D	Multiples of 7	Not Multiples of 7
17.	Even Numbers		
18.	Not Even Numbers		

> Children at Fine's school were questioned about their favourite colour.

Colour	Tally					Frequency
Blue	卌	卌	卌	卌	卌	
Brown	卌	卌	卌	卌	‖	
Green	卌	‖				
Gray	卌	卌	卌	‖‖		

19. How many children like Blue best? _____

20. How many prefer Brown? _____

21. How many prefer Gray? _____

22. How many more children like Brown best than Green? _____

23. How many more children like Blue best than Green? _____

24. How many more children like Blue best than Gray? _____

Blue	
Brown	● ● ● ● ● ◗
Green	
Gray	
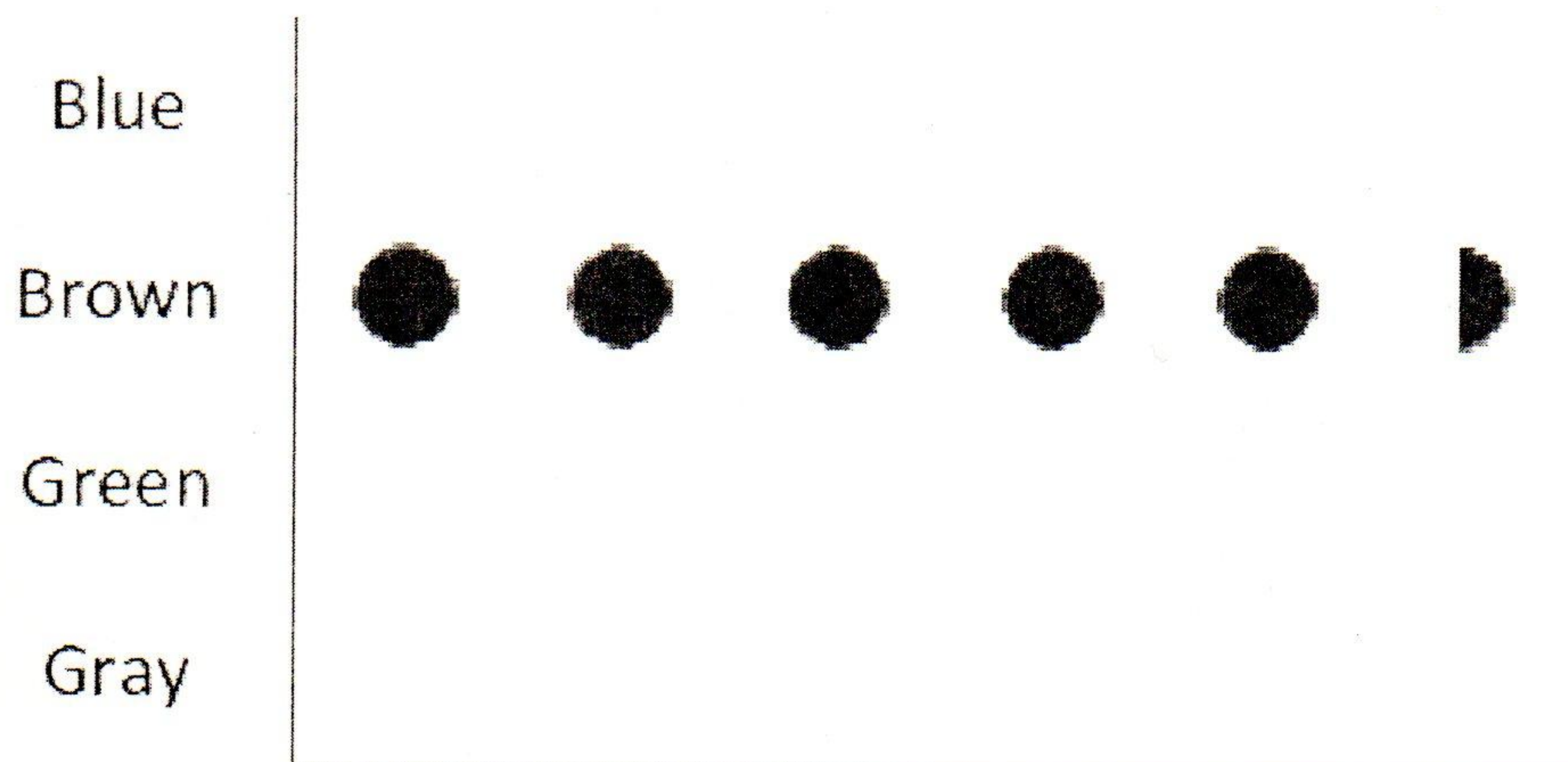
25. Using the tally chart above, complete the pictogram above. One circle ◯ represents 4 people.

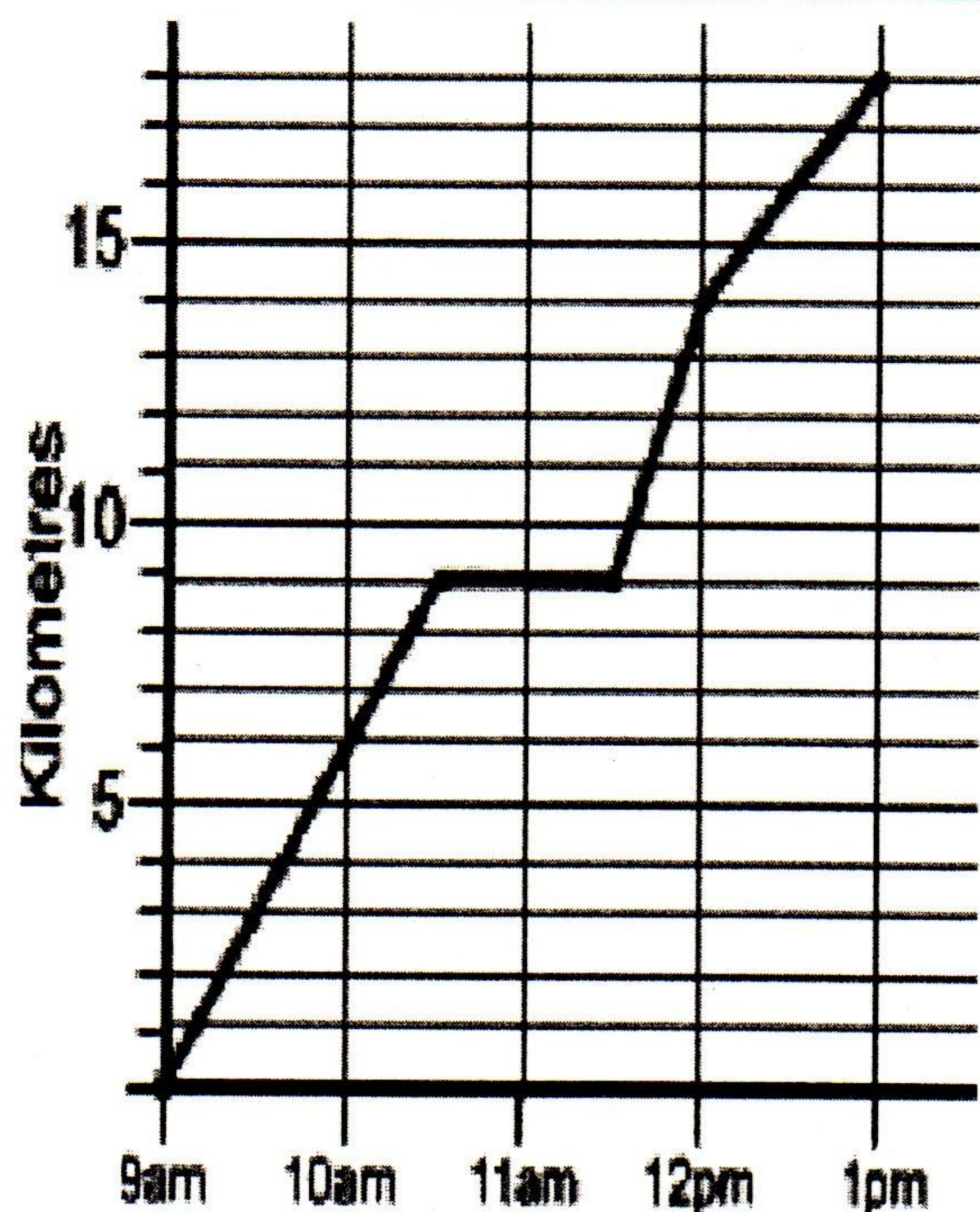26. How many more children have blue eyesthan green eyes?

The line graph shows Karim's bicycle ride. Answer the following questions using the data in the graph.

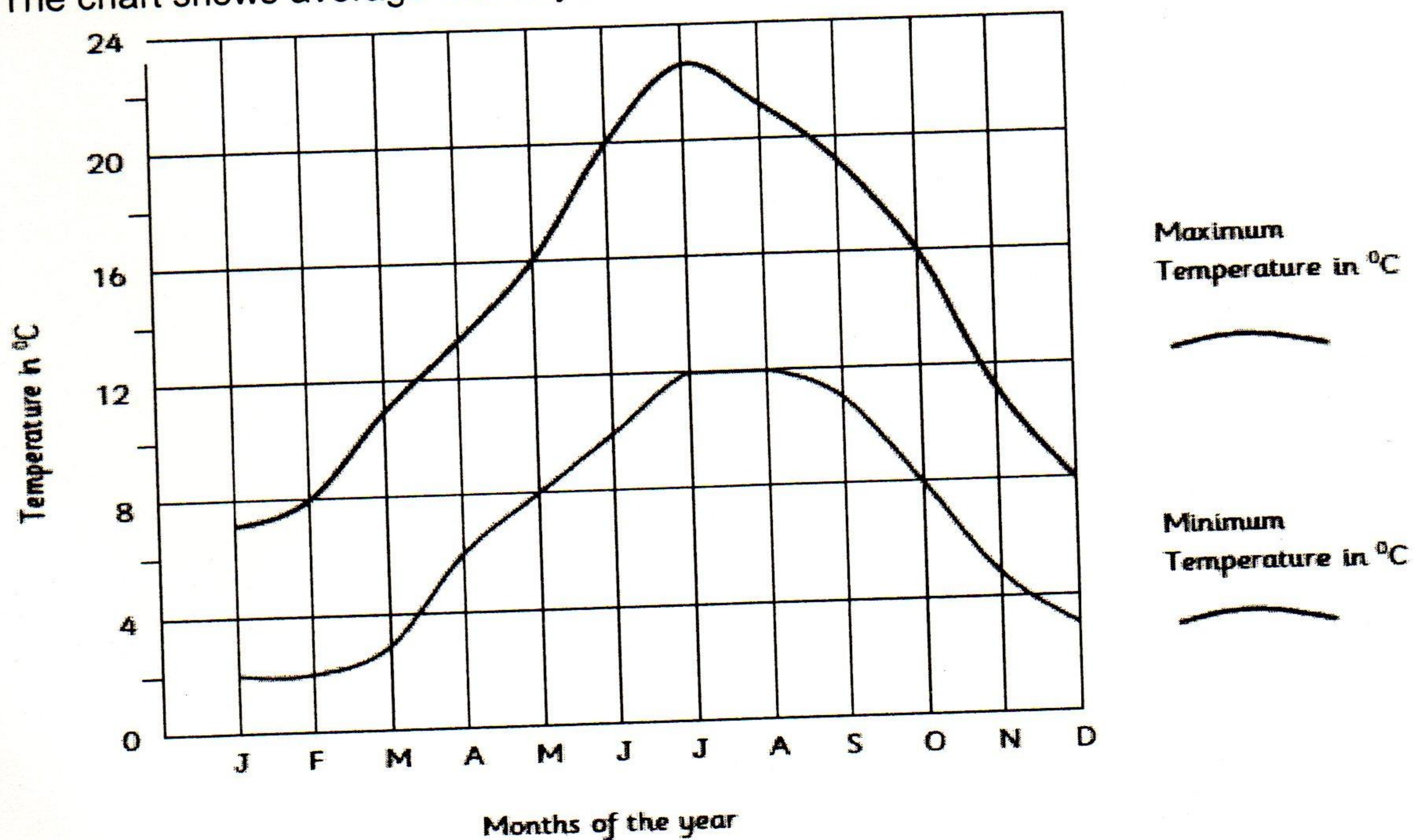|	
27. How many kilometres did Karim ride his bicycle? _____ 28. What did Karim do from 10.30 to 11.30 a.m.? _____ 29. How many kilometres did Karim travelled from 9am to 10am. _____ 30. How many kilometres an hour did Karim travel on average? _____	

The chart shows average monthly maximum and minimum temperature in London

31. What does the red line represent on the graph?

_____

32. What is the average minimum temperature in January?

_____

33. Which month has the highest maximum temperature?

_____

34. What is the difference between the maximum and minimum temperatures in May? _____

35. How much more is the minimum temperature in June than February? _____

36. Which month has the greatest difference between maximum and minimum temperatures? _____

37. Which two months have a minimum temperature of 80 ?

_____

38. Which months is the maximum temperature above 170 ?

_____

This bar chart shows the number of goals scored by The Albion in last season's matches
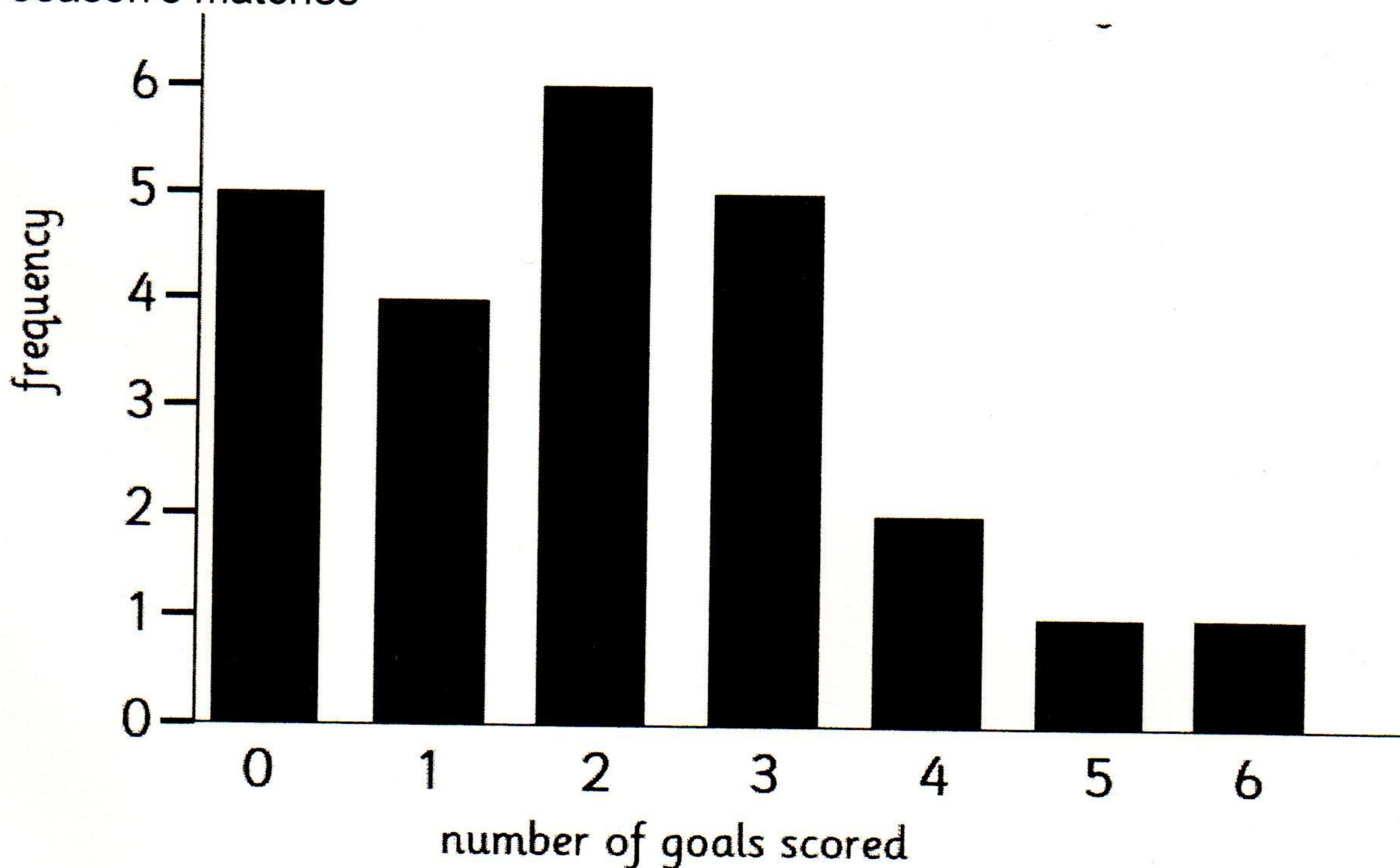
39. How many times did the Albion not score a goal in a match?

_____

40. How many times did the Albion score 4 or more goals in a match?

_____

41. What was the most common number of goals in match (the mode)?

_____

42. How many matches in total did Albion play?

_____

43. What was the maximum number of goals they scored in one match?

_____

44. How many goals did they score altogether in the season?

_____

45. Do you think they had a successful season? Why?

_____