

### Question 1

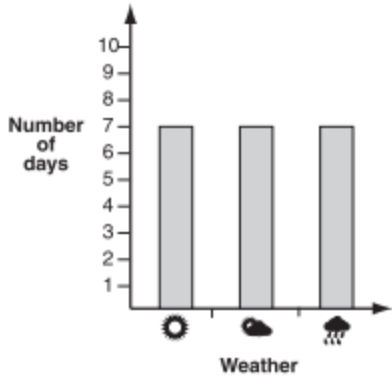
Anita recorded the weather for 2 weeks in the table below.

Shade  
bubble

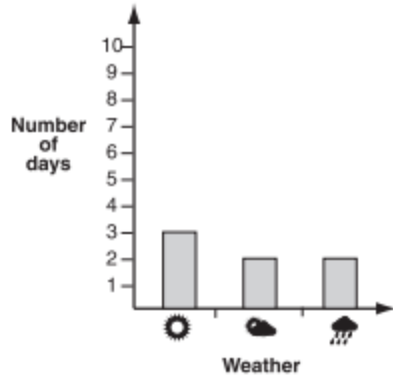
	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Week 1							
Week 2							

She then drew a graph of the results.

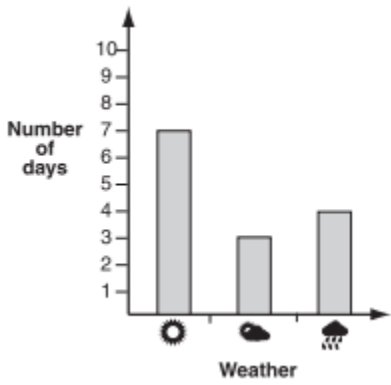
Which graph shows Anita's results for the 2 weeks?



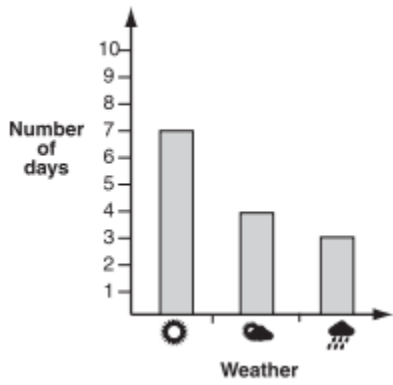
A



B



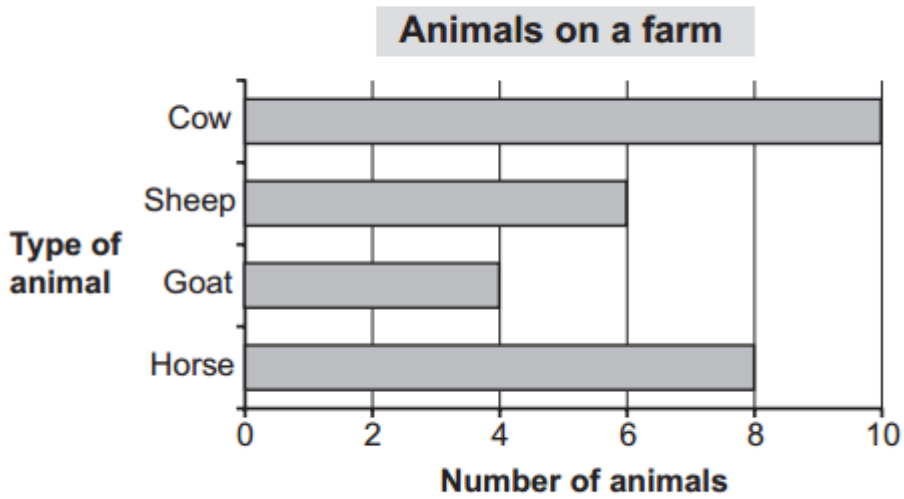
C



D

**Question 2**

This graph shows the number of animals on a farm.



Which statement is true?

- A There are more goats than cows
- B There are more horses than cows
- C There are fewer sheep than goats
- D There are fewer sheep than horses

**Question 3**

Leena asked 100 students how many hours of television they watched in one week. This table shows her results.

TELEVISION WATCHED			
	10 hours or less	More than 10 hours	Total
Males	12	28	40
Females	38	22	60
Total	50	50	100

How many female students watched television for 10 hours or less?

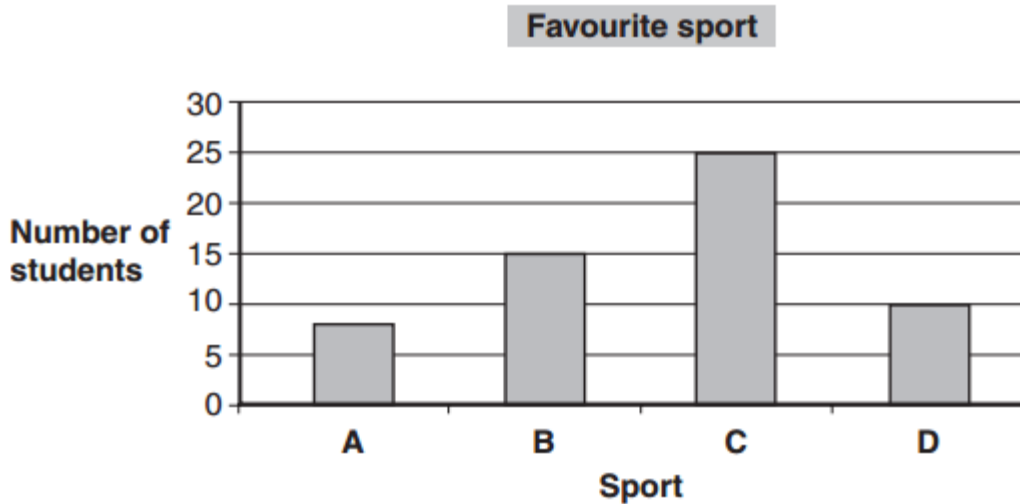
- A    22                      B    38                      C    50                      D    60

**Question 4**

Some students chose their favourite sport. They made a graph.

- Swimming was the **most** popular.
- Football was **more** popular than cricket.
- Netball was **less** popular than football.

Which column shows football on the graph?



**Question 5**

This table shows Rina's fitness program for the week:

Rina's fitness program	
DAY	SESSION
Monday	40 minutes of running
Tuesday	40 minutes of walking
Wednesday	30 minutes of swimming
Thursday	20 minutes of interval training
Friday	20 minutes of stretching

What was the average (mean) time for the training sessions?

- A 50 minutes                      B 30 minutes  
C 20 minutes                        D 40 minutes

**Question 6**

This table summarises the time Mick spent walking his dog over five days.

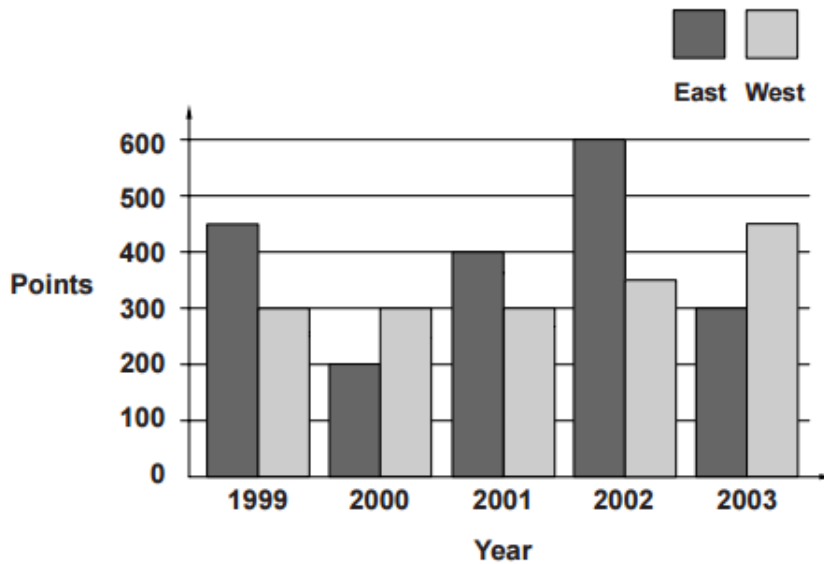
TIME SPENT WALKING THE DOG	
Day	Time
Monday	45 minutes
Tuesday	50 minutes
Wednesday	1 hour
Thursday	62 minutes
Friday	43 minutes

What was the average (mean) time for these walks?

- A 40 minutes                        B 52 minutes  
C 65 minutes                        D 260 minutes

**Question 7**

A school plays netball each year. There are two teams. Here are their results.



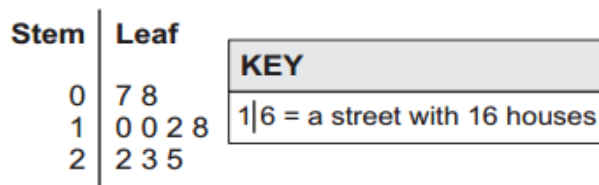
What is the average (mean) difference in points between the two teams over the five seasons?

- A 100                      B 150                      C 200                      D 250

**Question 8**

This stem-and-leaf plot shows the numbers of houses in the nine streets of a new housing estate.

What is the **median** number of houses in the streets in the estate?



- A 10                      B 11                      C 12                      D 15

**Question 9**

In a gym class, 29 students took turns jumping.  
Pete recorded the height each student jumped.

Height (cm)

3		2 4
4		1 5 6
5		2 4 4 8 9
6		1 1 3 4 5 6 6 8 9
7		2 2 5 7 8
8		3 5 5
9		1 2

Key: 5|2 means 52

What is the median height?

- A 63cm      B 64cm      C 65cm      D 66cm

**Question 10**

The number of people waiting at the checkouts in a supermarket is counted once every hour.  
The results on Saturday were 4, 2, 11, 16, 14, 11, 5, 12, 6, 9.  
Which of these statements is correct?

- A The mean is 9 and the median is 10  
B The median is 9 and the mode is 11  
C The median is 11 and the mean is 9  
D The mode is 11 and the median is 14

**Question 11**

Here is a set of 8 scores.

**2, 4, 4, 9, 9, 12, 12, 60**

What will change if score 60 is removed from the set?

- |   |               |   |                 |
|---|---------------|---|-----------------|
| A | mean only     | B | mean and median |
| C | mean and mode | D | mean and range  |

**Question 12**

Sally has seen four movies.

The ticket prices were \$13, \$8, \$10 and \$10.

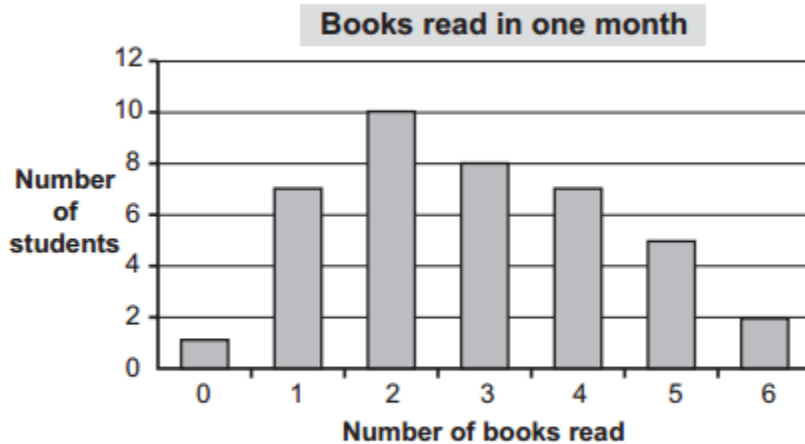
The next movie she plans to see is in 3D and the ticket price is \$34.

Which of these will **not** change after Sally sees the next movie?

- A the median of her ticket prices
- B the mean of her ticket prices
- C the range of her ticket prices
- D the total cost of her tickets

**Question 13**

This graph shows the number of books some students at a school read in one month.



The student who did not read any books now says she read one book.

What effect does this have on the mean and mode of the data?

- A The mean decreases and the mode changes
- B The mean increases and the mode changes
- C The mean decreases and the mode does not change
- D The mean increases and the mode does not change

**Question 14**

Students in Mr Finch's class had a total of \$360.00 to spend at the school fete. Each student had on average \$14.40. How many students are in Mr Finch's class?

- A 15
- B 17
- C 23
- D 25

**Question 15**

Ivan raised \$34 for a charity (the highest amount in his class). The rest of the class made a total of \$756, at an average of \$28 per student. How many students are in Ivan's class?

- A 27
- B 28
- C 22
- D 26