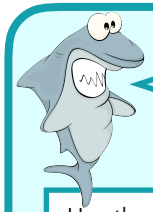
Name: _____ Date: _____ www.planbee.com

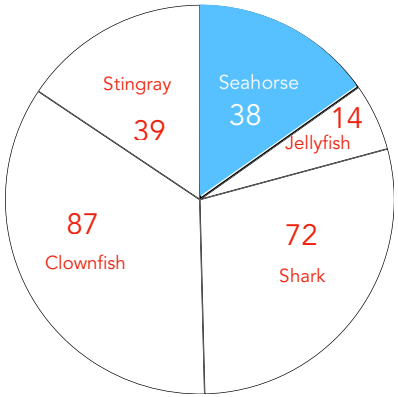


250 visitors to Super Sea World were asked which animal they enjoyed seeing the most.

Use the given data to calculate how many degrees each animal would represent in a pie chart.

	Frequency	Percentage	Degrees (to nearest whole number)
Seahorse	38	15.2	**55**
Jellyfish	14	5.6	**20**
Shark	72	28.8	**104**
Clownfish	87	34.8	**125**
Stingray	39	15.6	**56**

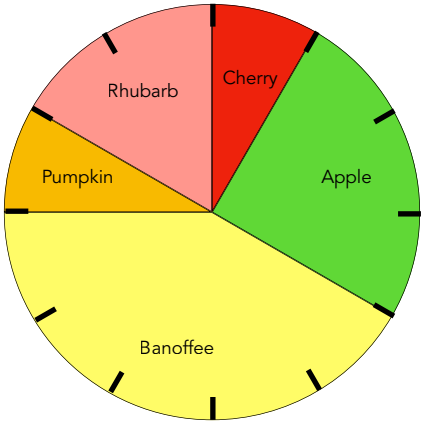
Use a protractor to complete the pie chart using the data in the table above. Label each sector as in the example given.





Answer the questions below by using the data in the pie charts.

Sixty chefs were asked what their best-selling pie was.

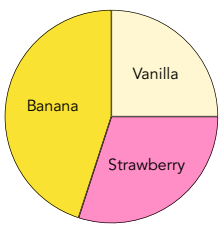


Use the pie chart to decide whether these statements are true or false:

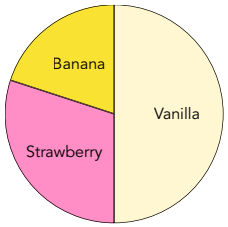
	True	False
30% of chefs said that apple pie was their best-seller.	☐	☑
1/6 of chefs said rhubarb pie was their best-seller.	☑	☐
20 chefs said banoffee pie was their best-seller.	☐	☑
Together, pumpkin and banoffee pie account for half of the best-selling pies overall.	☑	☐

Twenty boys and ten girls from Class 4 were asked about their favourite flavour of milkshake.

"The pie charts show that the same number of boys and girls chose vanilla as their favourite milkshake flavour."



20 boys



10 girls

Is this statement correct? Explain your answer.

Yes ☑ No ☐

The boys' pie chart shows that one quarter of them chose vanilla. One quarter of 20 is 5.

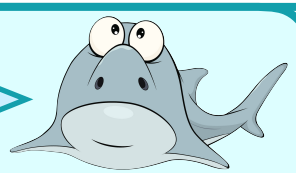
The girls' pie chart shows that half of them chose vanilla. Half of 10 is 5.

Notes:

Copyright © PlanBee Resources Ltd 2018

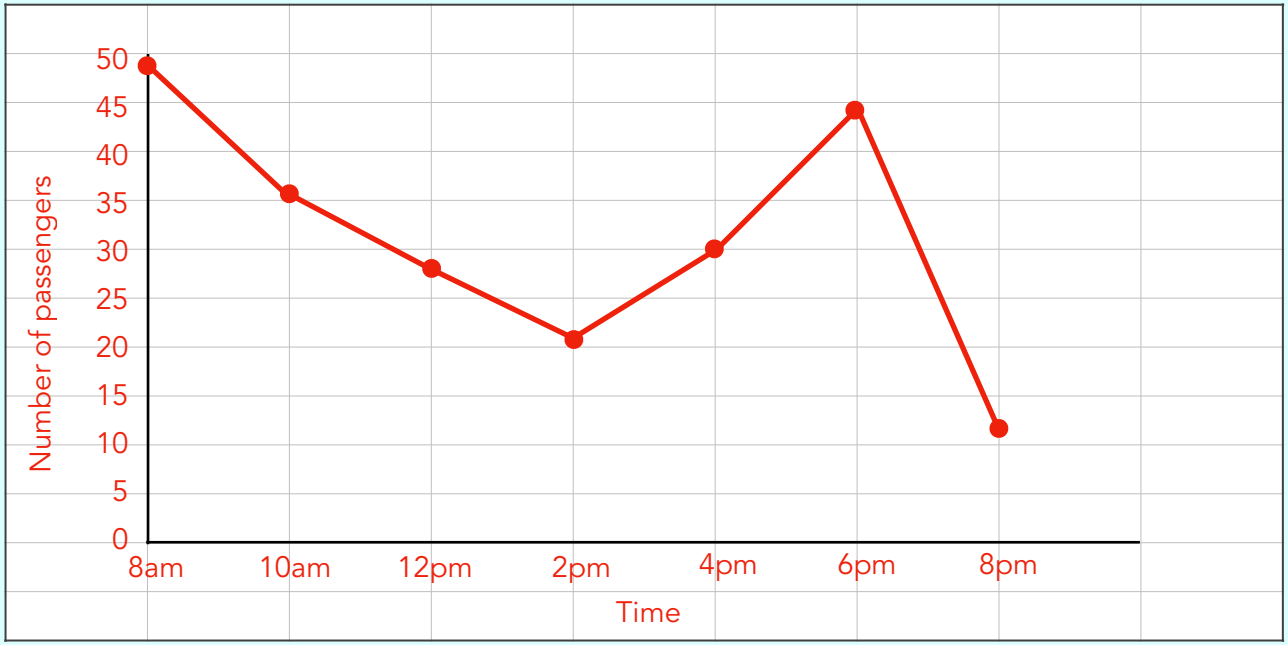
Name: _____ Date: _____

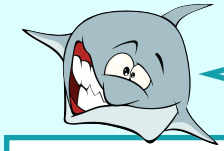
Use the data below to draw a line graph showing the number of passengers that use the No.58 bus to travel to Shopping Heaven Retail Outlet over the course of one weekday.



Notes:

Time	No. of passengers
8am	48
10am	36
12pm	28
2pm	21
4pm	30
6pm	44
8pm	12





Use your line graph to answer the following questions.

Which two times were the busiest on the bus? Why do you think this is?

8am and 6pm.

e.g. people may have jobs at Shopping Heaven Retail Outlet, and so be travelling to and from work.

Estimate how many passengers might have been travelling on the bus at 9am.

42-43 passengers.

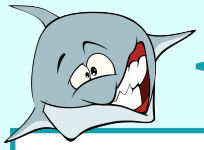
What do you think this line graph might look like for data collected on a Sunday? Explain your reasoning.

e.g. There may be fewer passengers as some of the shops may be closed. There may be different 'busy' periods, as some shops might have later opening and earlier closing times.

Copyright © PlanBee Resources Ltd 2018

Name: _____ Date: _____

www.planbee.com



Calculate the answers to the questions below.

30, 20, 40

The mean of this set of data is 25.

True ☐ False ☑

7, 12, 11, 6

The mean of this set of data is 9.

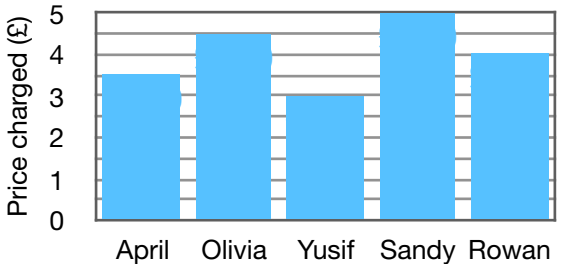
True ☑ False ☐

4, 5, 4, 3, 5, 3

The mean of this set of data is 5.

True ☐ False ☑

This chart shows the prices charged per hour by five different dog walkers.



Lyra, a new dog walker, decides to charge the average price of the existing dog walkers. Will the **new** average price, including Lyra's price charge, be higher, lower, or the same as before? Why?

It will be £4 - the same.

	Ana	Syd	Jay	Hal
Diving score	6.2	8.4	7.3	6.9

Who was closed to the mean score?

Jay

To make it onto the local ball dancing team, Ella must score an average of 6 points out of five dances. Her previous four scores are:

6 7 4 3 10

What does she need to score in her last dance? (Write it in the blank box.)

How likely do you think this is, and why?

Notes:

Copyright © PlanBee Resources Ltd 2018