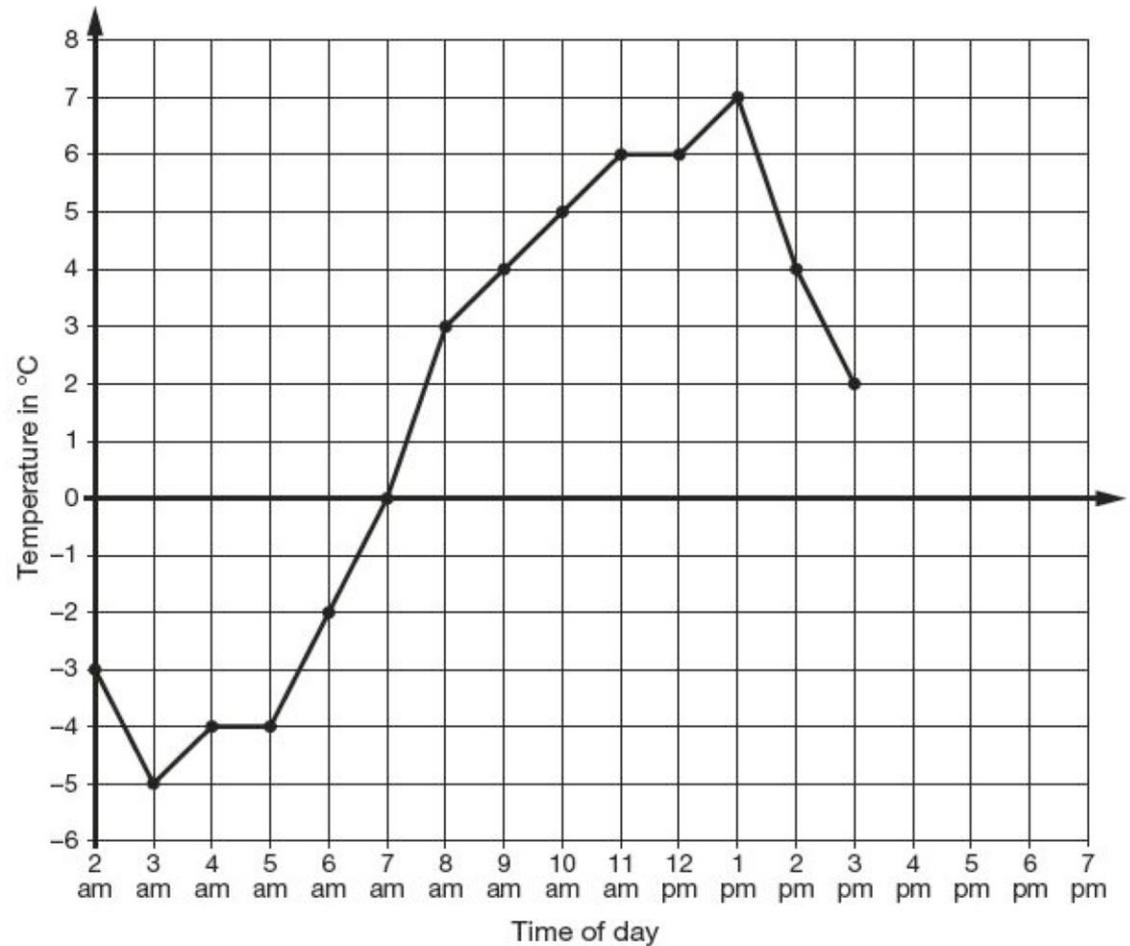


# RECALL

This graph shows the temperature in  $^{\circ}\text{C}$  from 2am to 3pm on a cold day.

- 1) How many degrees warmer was it at 3 pm than at 3am?
- 2) At 6pm the temperature was 4 degrees lower than at 3pm.

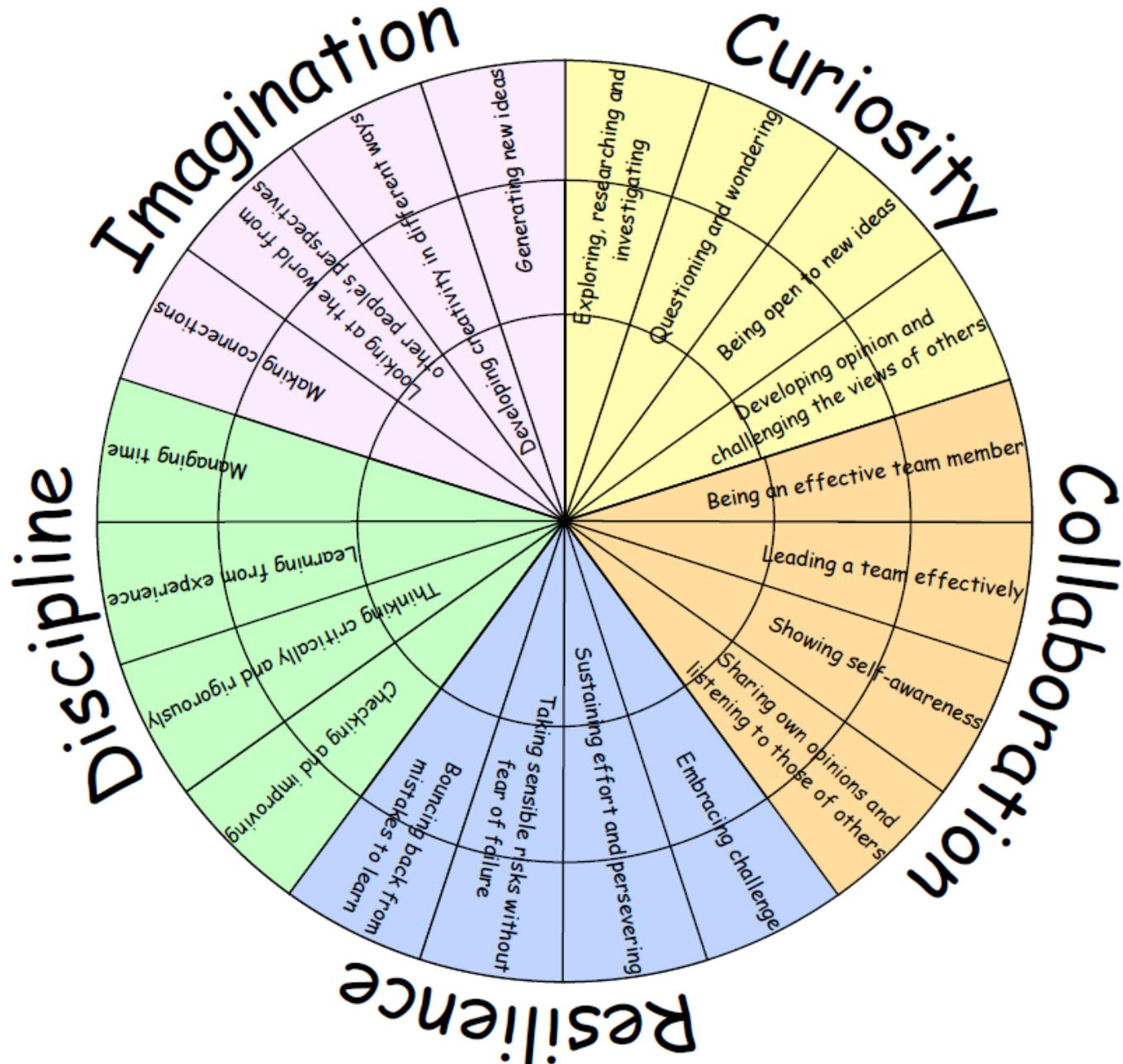
What was the temperature at 6pm?



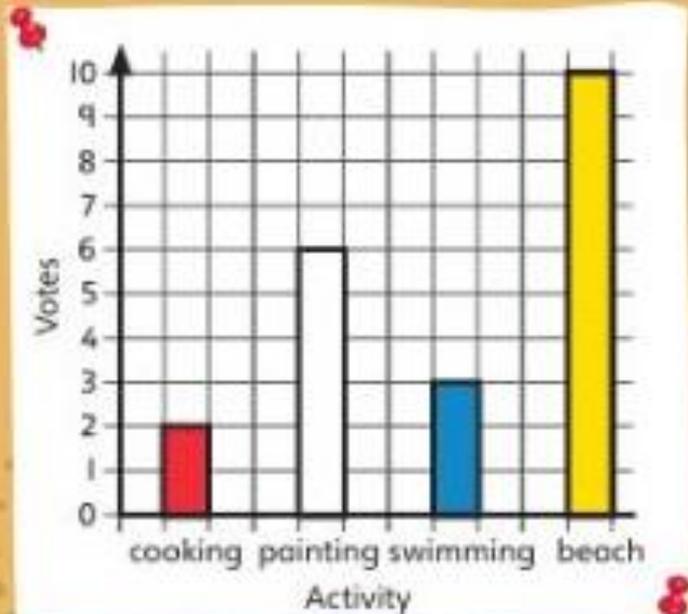
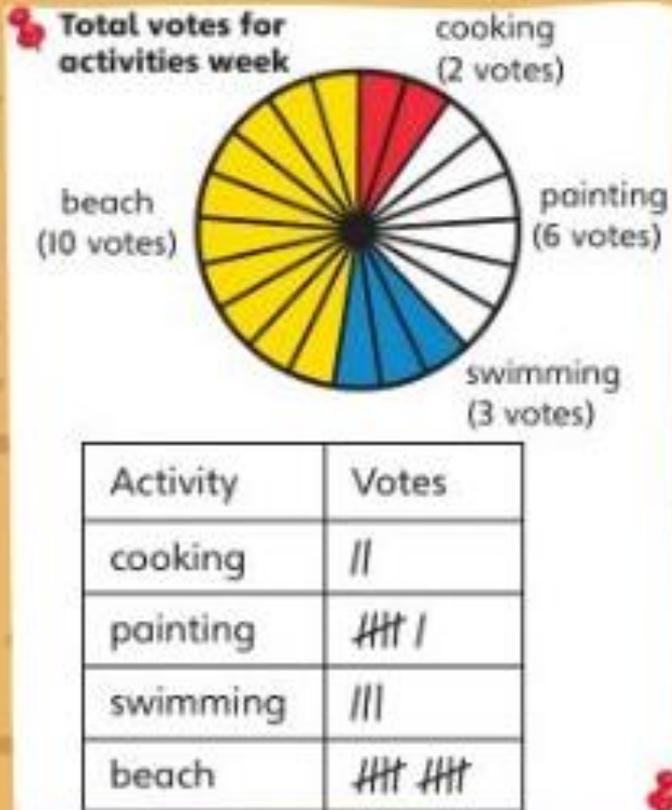
# I CAN INTERPRET A PIE CHART

Statistics (31ix)

# LEARNING HABITS?



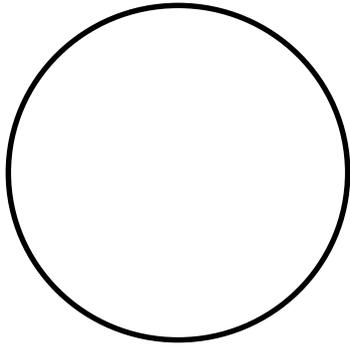
# GUIDED PRACTICE



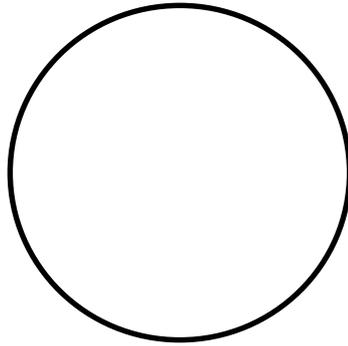
We will only do an activity if more than half have voted for one activity.

- 1) Which charts shows the most clearly whether an activity received more than half votes?
- 2) Compare the three ways of presenting the results. What are the advantages and disadvantages of each chart?

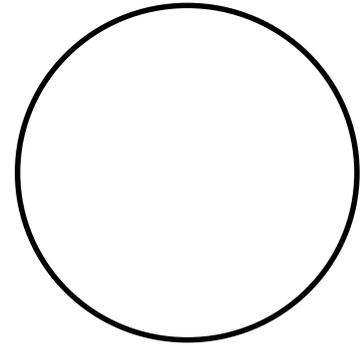
# INTELLIGENT PRACTICE



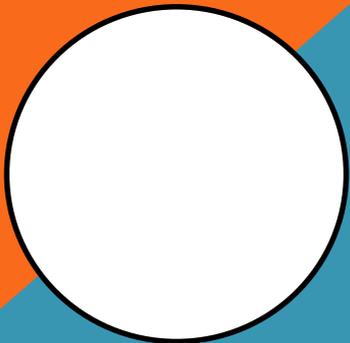
Split the circle into halves



Split the circle into quarters



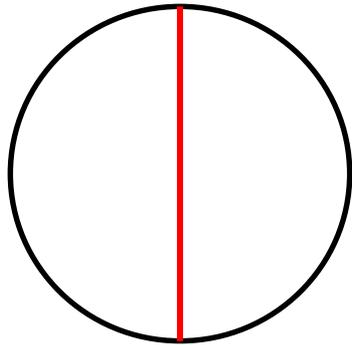
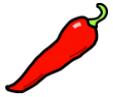
Split the circle into thirds



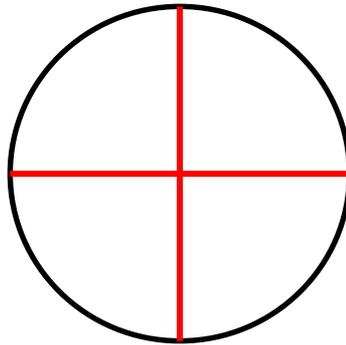
Split this circle into 1 half, 1 quarter, and a sixth.

What is the remaining section?

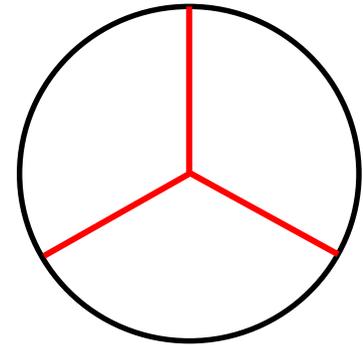
# INTELLIGENT PRACTICE ANSWERS



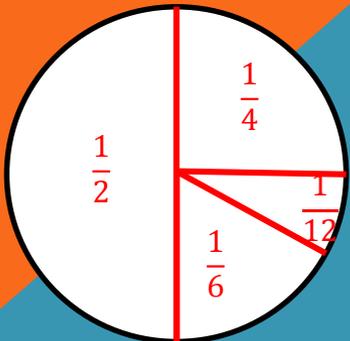
Split the circle into halves



Split the circle into quarters



Split the circle into thirds

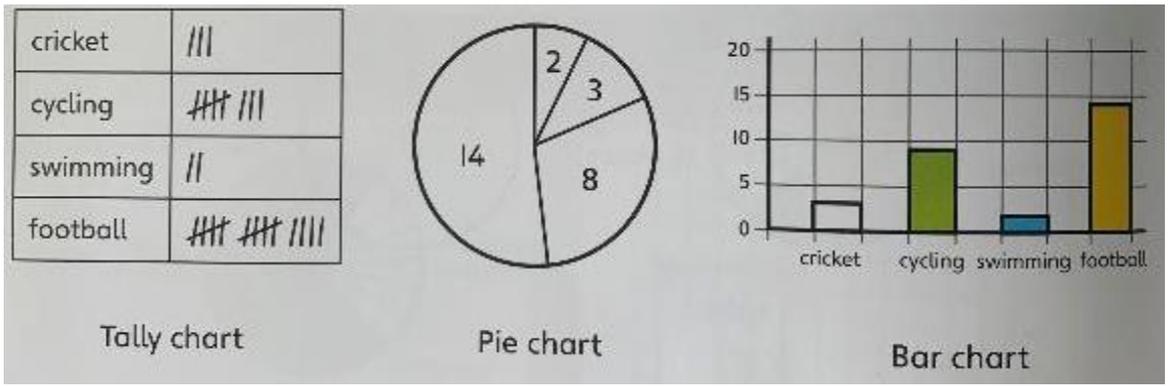


Split this circle into 1 half, 1 quarter, and a sixth.

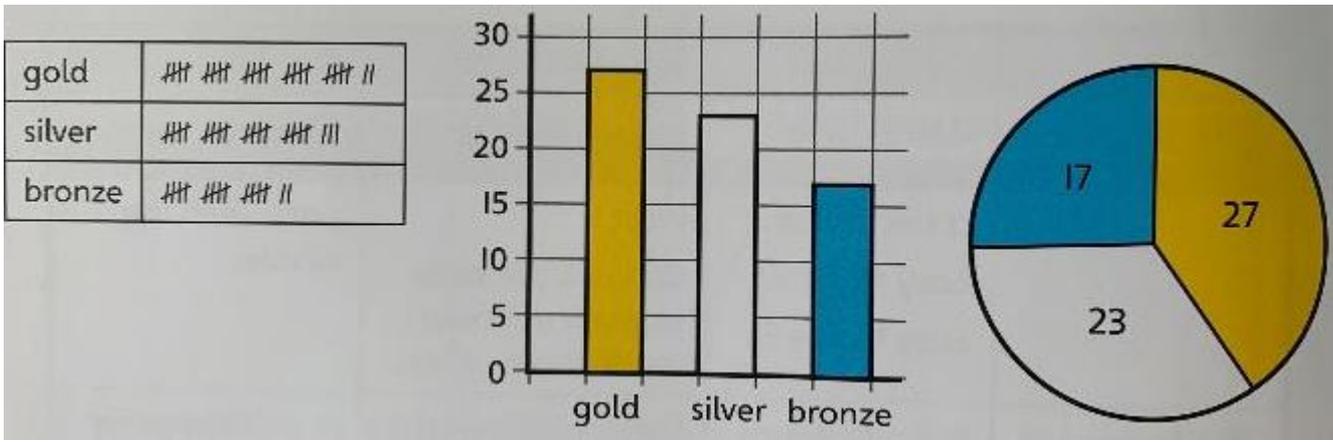
What is the remaining section?  $\frac{1}{12}$

# DIVE DEEPER 1

1) Which section of the pie chart represents each activity?



2) Below are three charts showing the medals that the British team won at the Olympic games in 2016. Choose a chart to answer each question.



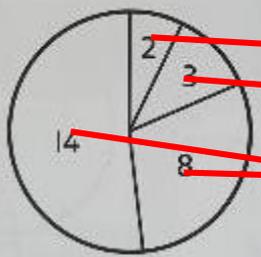
- a) How many more gold medals than silver medals did the team win?
- b) Which colour medal was approximately a quarter of the total?
- c) How many medals were won in total?

# DIVE DEEPER 1 ANSWERS

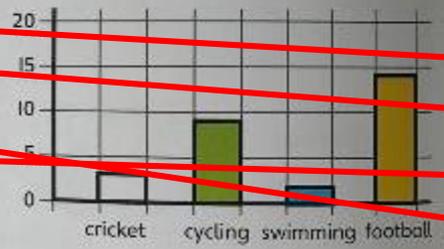
1) Which section of the pie chart represents each activity?

cricket	
cycling	
swimming	
football	

Tally chart



Pie chart

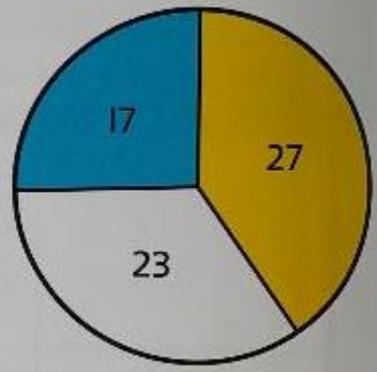
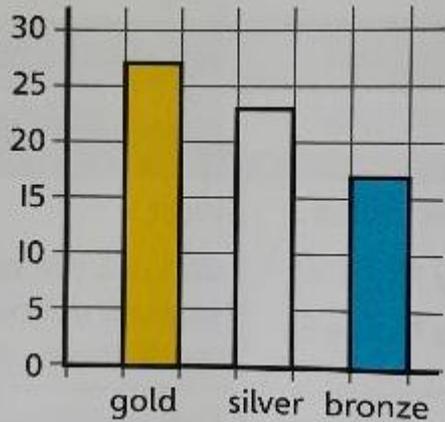


Bar chart

- 2 - Swimming
- 3 - Cricket
- 8 - Cycling
- 14 - Football

2) Below are three charts showing the medals that the British team won at the Olympic games in 2016. Choose a chart to answer each question.

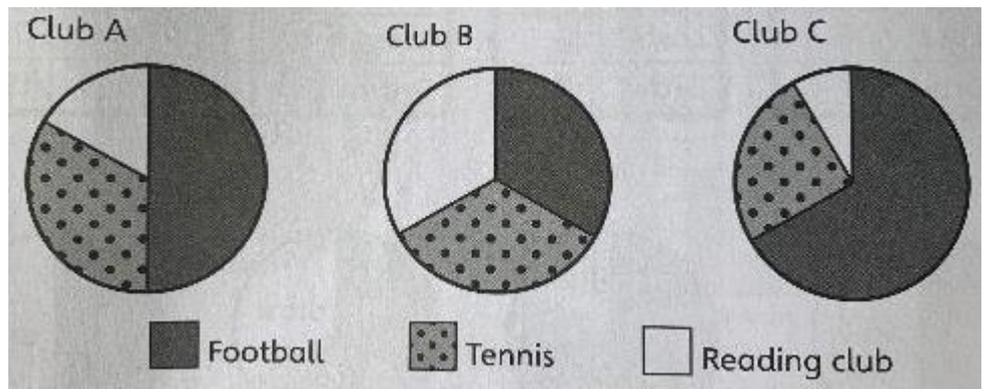
gold	
silver	
bronze	



- a) How many more gold medals than silver medals did the team win? **Bar chart**
- b) Which colour medal was approximately a quarter of the total? **Pie chart**
- c) How many medals were won in total? **Any of them**

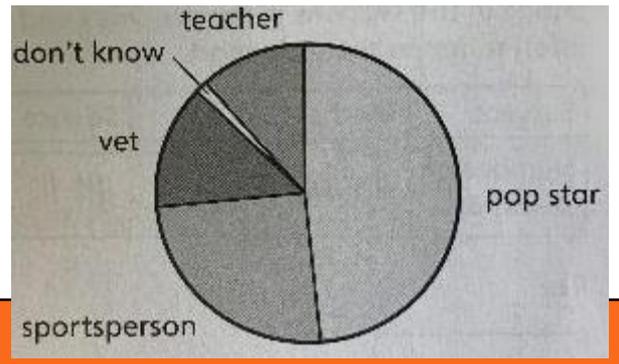
# DIVE DEEPER 2

3) These pie charts show three after-school clubs. In which club do more than half the children play football?



More than half the children in Club \_\_\_ play football.

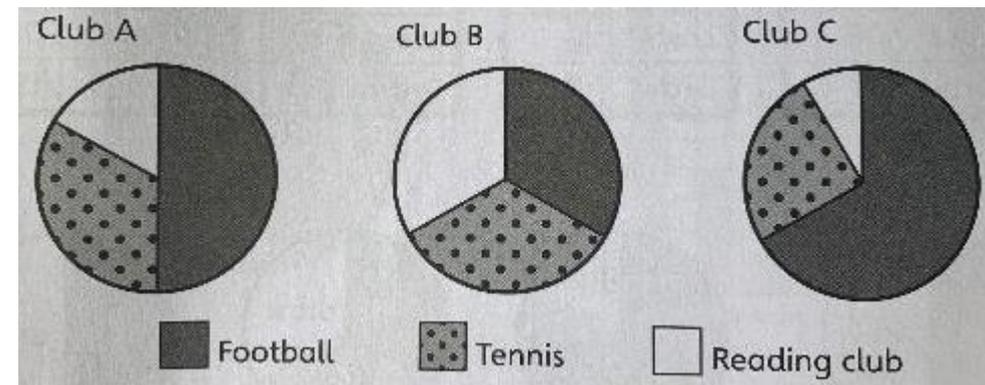
4) Children in a class did a survey to find out which jobs they wanted to do when they were older.



	True	False
Less than half want to be a pop star.		
The least popular job is vet.		
More children wanted to be a sportsperson than a teacher.		

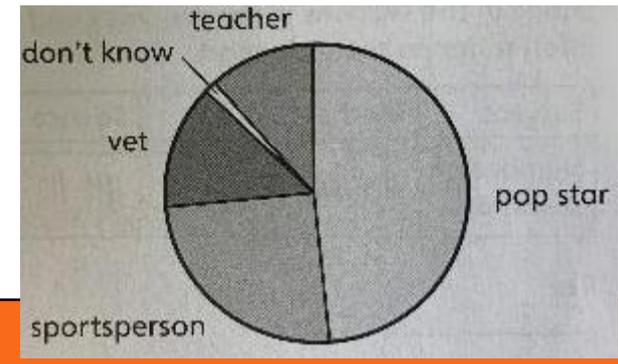
# DIVE DEEPER 2 ANSWERS

3) These pie charts show three after-school clubs. In which club do more than half the children play football?



More than half the children in Club **C** play football.

4) Children in a class did a survey to find out which jobs they wanted to do when they were older.



	True	False
Less than half want to be a pop star.	✓	
The least popular job is vet.		✓
More children wanted to be a sportsperson than a teacher.	✓	

# DIVE DEEPER 3

5) Match the pie charts to the correct team's set of results.

Team A	
Win	15
Lose	10
Draw	5

Team B	
Win	5
Lose	10
Draw	15

Team C	
Win	10
Lose	10
Draw	10

Team D	
Win	15
Lose	0
Draw	15

6) Complete the pie chart and key using the information from the tally chart.

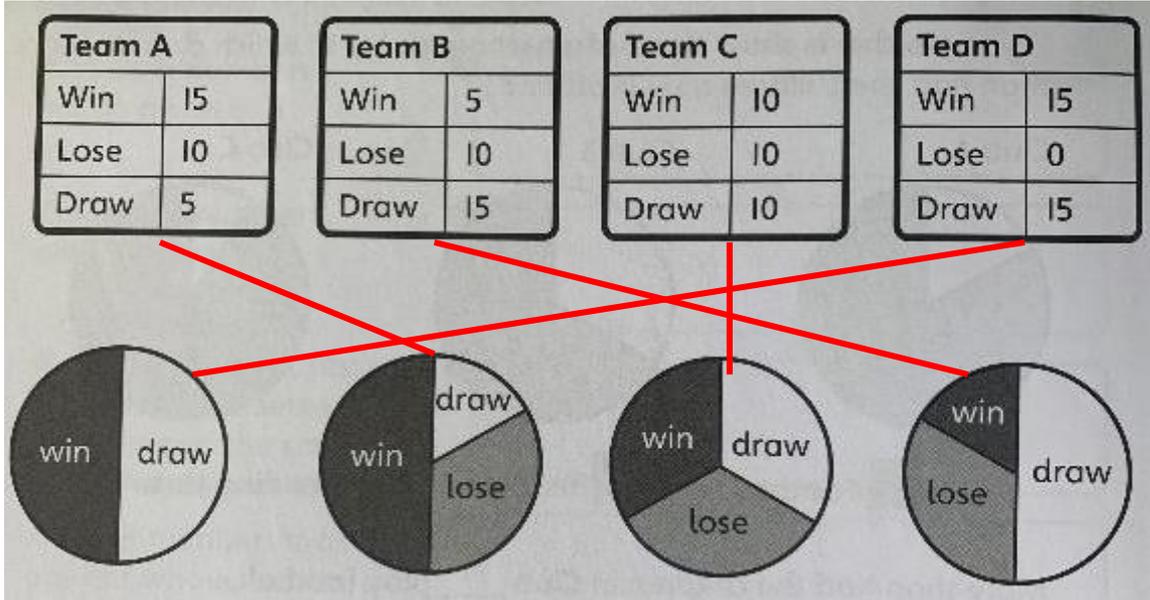
Subject	Maths	Science	English
Number of students			

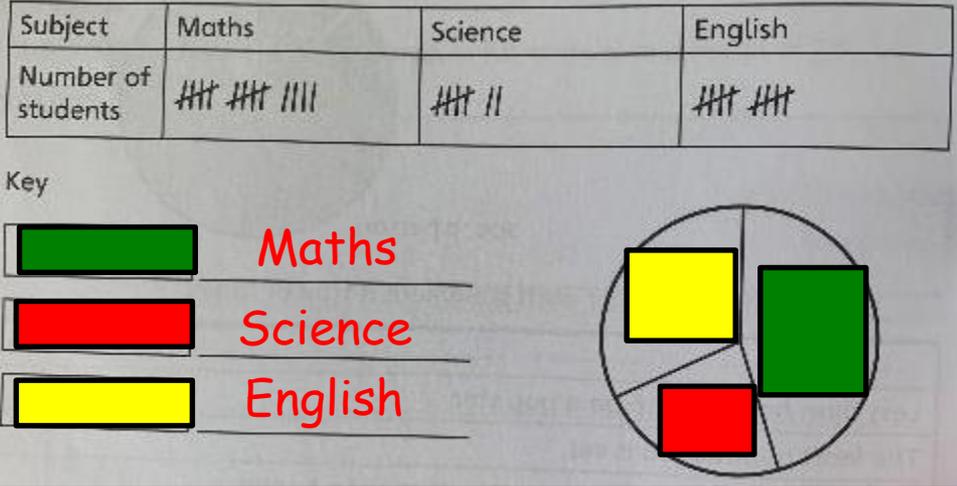
Key


# DIVE DEEPER 3 ANSWERS

5) Match the pie charts to the correct team's set of results.



6) Complete the pie chart and key using the information from the tally chart.



# SELF-ASSESSMENT

- Some will even be able use data to complete pie charts
  - Some will be able explain which form of data is the best representation
  - Most will be able to correlate other data to pie charts
  - All will be able to explain what a pie chart is showing
- 