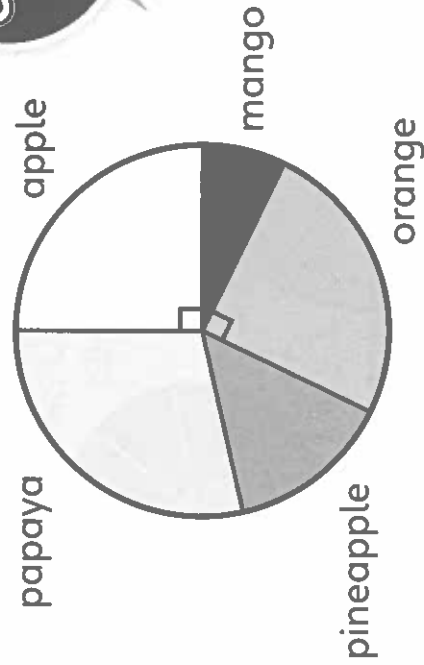


- 5 This pie chart shows the proportion of ingredients in a tropical fruit drink.



CHALLENGE

There is twice as much pineapple as mango.
There is twice as much papaya as pineapple.

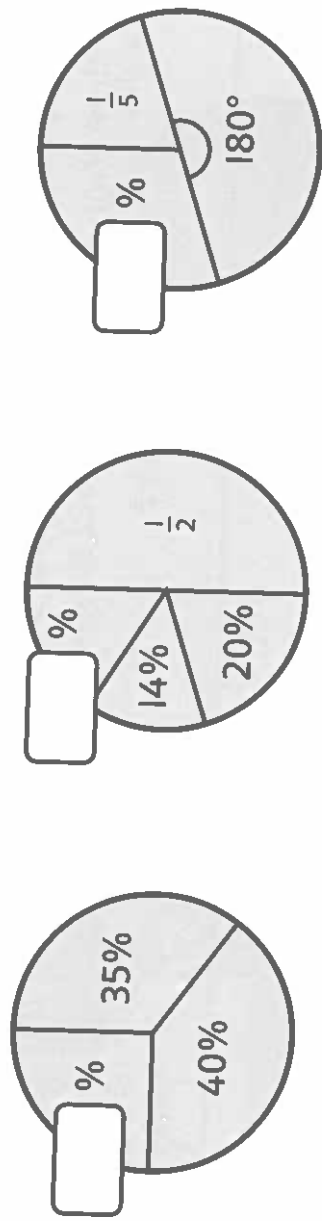
- a) What fraction is mango?
b) In 350 ml of fruit drink, how much more pineapple is needed than papaya?

Reflect

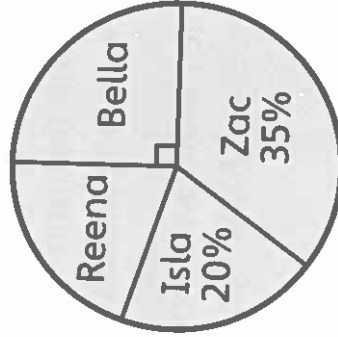
Write a problem for your partner that gives them a fraction of a pie chart, and they have to work out the whole. Sketch a pie chart to go with the problem.

Percentages and pie charts

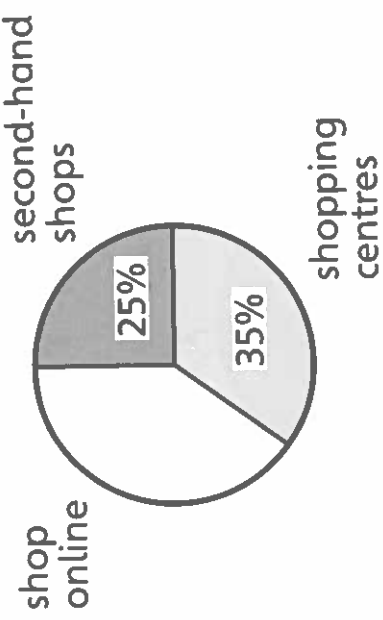
- 1 Complete the missing percentages.



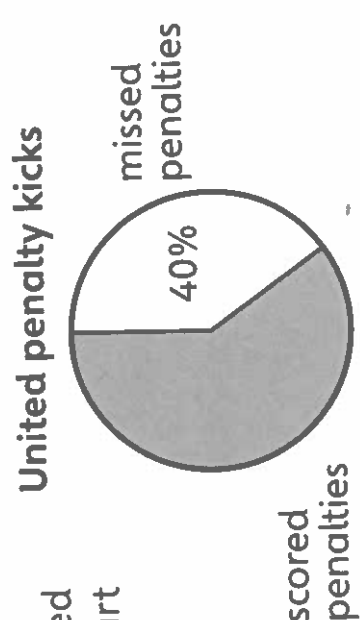
- 2 60 people voted for a sports captain.
How many votes did each person receive?



3 This shows the results of a survey about shopping for clothes. 56 people said they go to shopping centres. How many more people shop online than use second-hand shops?



4 In one football season, the Rovers scored 48 penalties and missed 32. The pie chart shows what United scored.

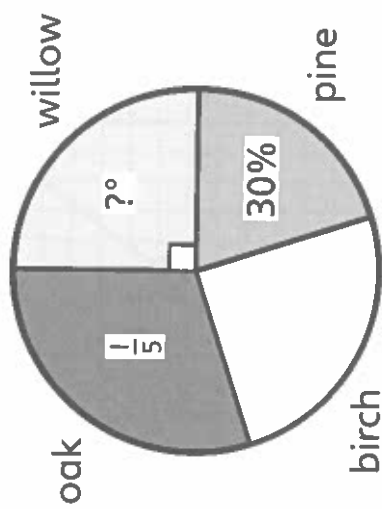
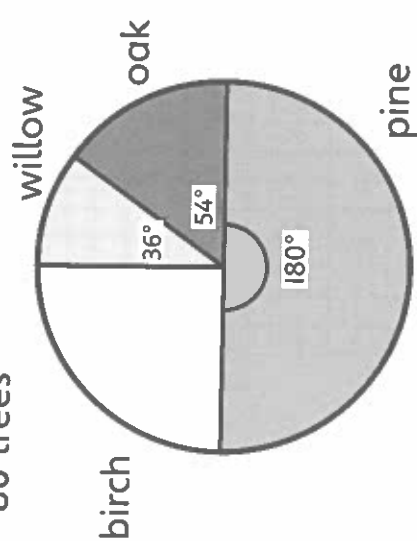


Which team was more successful at penalties? Justify your answer.

5 These pie charts show the types of tree in Hetiddy Woods and Lanhay Forest.

Hetiddy Woods
80 trees

Lanhay Forest
200 trees



How many more birch trees are there in Lanhay Forest than in Hetiddy Woods?

Reflect

Draw a pie chart that shows $\frac{1}{4}$, 10% and 15%. Show the remaining percentage and explain how you completed this.