

**C**lass 6W and class 6D both completed a survey about the pets they owned. Sixteen children in class 6W owned a pet. In class 6D, twenty children owned a pet.

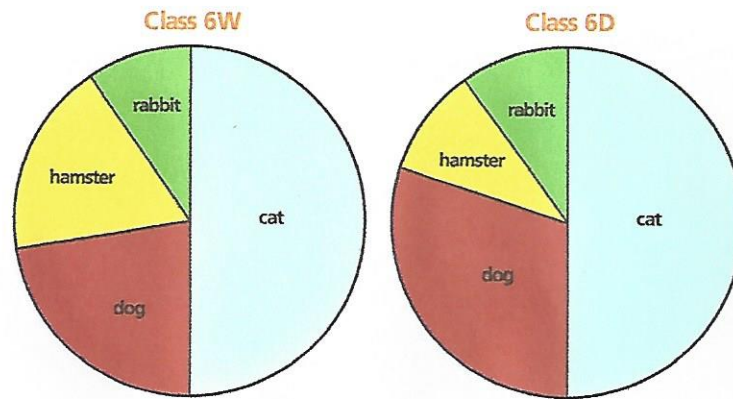
Sarah and David used the results to draw pie charts. Sarah looked at the pie charts and said, 'The same number of children in each class have a cat.'

Olly looked at the pie chart and smacked his

forehead with his hand. 'We've made a mistake with the pie chart for 6W,' he said. 'We should have made the angle for dogs  $90^\circ$ .'

'You're right!' said Sarah. 'And we've also made a mistake for hamsters and rabbits. Three children own a hamster and one child has a rabbit.'

'Quick!' said David, 'Let's draw the 6W pie chart again before we show the pie charts to everyone!'



# Pet survey

## Comprehension questions

- Is Sarah correct?
  - Yes, the same number of children in each class have a cat.
  - No, more children own a cat in class 6W than in 6D.
  - No, more children own a cat in class 6D than in 6W.
- Do more children own a hamster or a rabbit in class 6D?
  - More children own a hamster than a rabbit.
  - More children own a rabbit than a hamster.
  - The same number of children own a rabbit as own a hamster.
- How many children in 6W have a dog?
  - 4
  - 9
  - 90
- What should the correct angle for 'rabbit' be in the 6W pie chart?
  - $16^\circ$
  - $22.5^\circ$
  - $25^\circ$
- What should the correct angle for 'hamster' be in the pie chart for 6W?
  - $22.5^\circ$
  - $45^\circ$
  - $67.5^\circ$
- The angle for 'dog' in the 6D pie chart is  $108^\circ$ . How many children own dogs in 6D?
  - 4
  - 6
  - 8