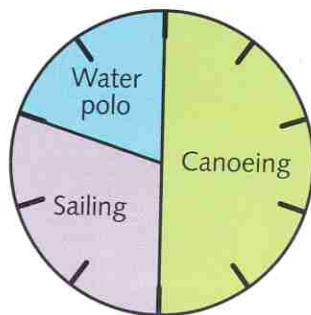


Water sports centre pie charts

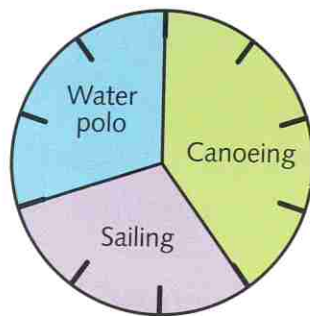


Interpret and draw pie charts and use them to solve problems

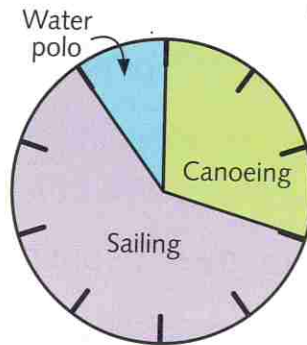
These pie charts show the children's favourite activities at the water sports centre over four weeks. Each sector in these pie charts represents 10%.



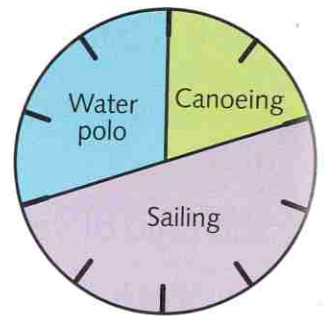
Week 1



Week 2



Week 3



Week 4

Challenge

Copy the table below. Then use the data in the pie charts above to find the percentage of children who chose each activity as their favourite.

Activity	Week 1	Week 2	Week 3	Week 4
Canoeing	50%			
Sailing				
Water polo				

Challenges 2,3

- Use the information in the pie charts at the top of the page to complete the database in Resource 48: Database.

You will need:

- Resource 48: Database
- ruler
- four coloured pencils

2 Use your database to find out in which week:

- a equal numbers of children chose sailing and water polo
- b twice as many children chose sailing than canoeing
- c more children chose water polo than canoeing
- d 8 more children chose canoeing than sailing
- e 6 fewer children chose canoeing than water polo.



3 Which two weeks had the same number of children who preferred:

- a canoeing?
- b sailing?

4 Complete the pie charts on Resource 48: Database to show the information below for Weeks 5 and 6. Colour each pie chart and complete its key.

Week	Total number of children	Number of children choosing each activity			
		Canoeing	Sailing	Water polo	Rafting
5	60	24	18	12	6
6	60	15	24	9	12

Look at your completed pie charts on Resource 48.

- 1 Write three statements that describe how the pie charts for Weeks 5 and 6 are similar or different from each other.
- 2 Write three questions about the pie charts for Weeks 5 and 6 for a partner to answer.

