

Pie charts



Favourite types of book

A 80 children were asked to choose their favourite types of fiction books.

This pie chart is divided into 8 equal parts.

It shows that $\frac{3}{8}$ of the books chosen were adventure books.

Use the pie chart to help you to answer the following questions.

1. What fraction of the books chosen were animal stories?
2. What fraction chosen were sports books?
3. How many children chose adventure stories?
4. How many children chose humourous stories?
5. How many children chose sports books?

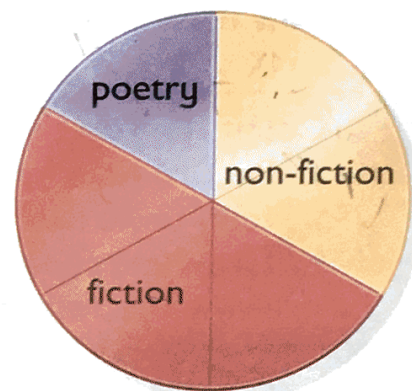


B This pie chart shows the types of books in a class library.
12 of the books are poetry books.

Answer these questions.

1. How many of the books are fiction?
2. How many of the books are non-fiction?
3. What is the total number of books in the class library?
4. What fraction of the books are non-fiction?

Types of books in the library



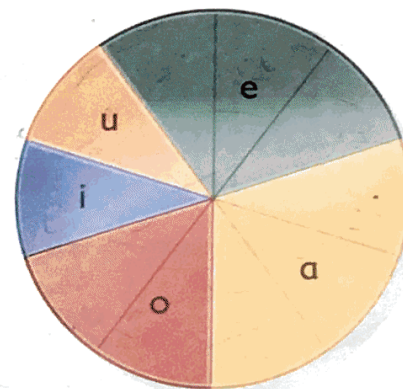
C This pie chart shows the results of a survey of 100 words in a reading book.

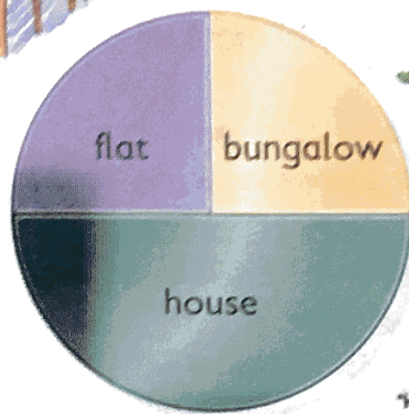
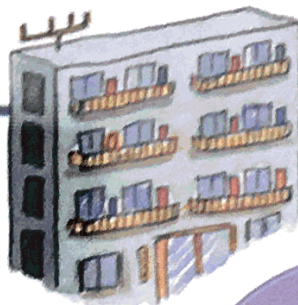
The number of vowels used were counted and recorded.

Answer the following questions.

1. What fraction of the vowels was the letter e?
2. What fraction of the vowels was the letter o?
3. There were 130 vowels altogether.
How many of each vowel was counted?

Number of vowels in 100 words





D

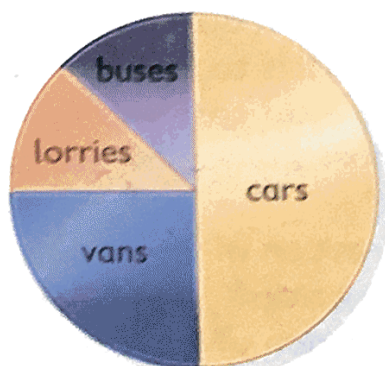
This pie chart shows the results of a survey of 36 people's type of home.

Answer the following questions.

1. What fraction lived in houses?
2. What fraction lived in flats?
3. How many people lived in bungalows?
4. How many people lived in houses?

E

Traffic survey

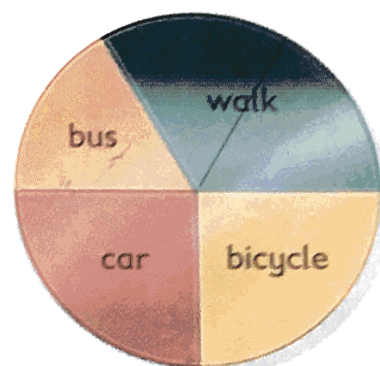


This pie chart shows the results of a traffic survey of 64 vehicles.

1. What fraction of the vehicles were:
 - cars?
 - vans?
 - lorries?
 - buses?
2. How many of the vehicles were:
 - cars?
 - vans?
 - lorries?
 - buses?

F

Transport to school



This pie chart shows how 36 children travel to school.

1. What fraction of the children:
 - cycled?
 - came by car?
 - came by bus?
 - walked?
2. How many of the children:
 - cycled?
 - came by car?
 - came by bus?
 - walked?