LO: To interpret pie charts and use this to solve problems.
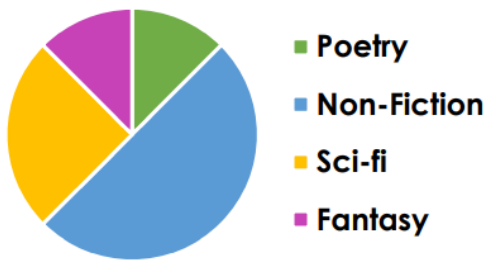
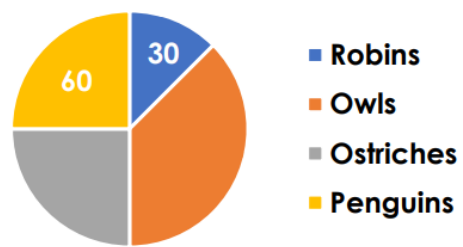**What fraction of the pie chart represents people who chose fantasy?**

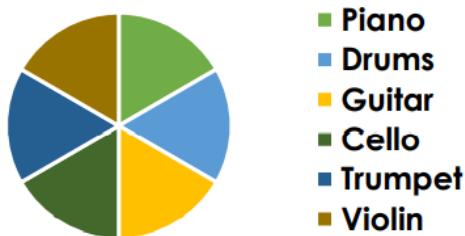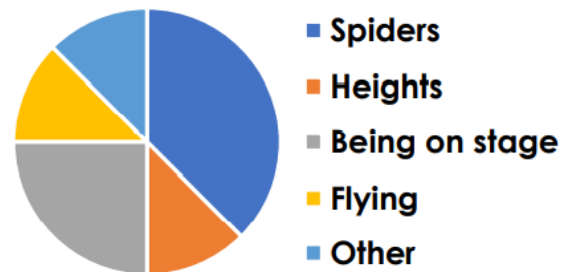**Favourite Type of Book**

- Poetry
- Non-Fiction
- Sci-fi
- Fantasy

720 people took part in a survey about playing instruments. How many people does each segment represent?

Musical Instruments

- Piano
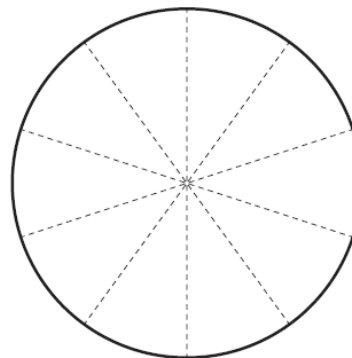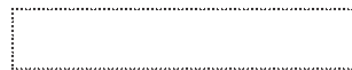- Drums
- Guitar
- Cello
- Trumpet
- Violin

a Ask 10 pupils to choose which of these gaming consoles they like best.

b Use the table below to collect your data.

c Show the results on a clearly labelled pie chart.

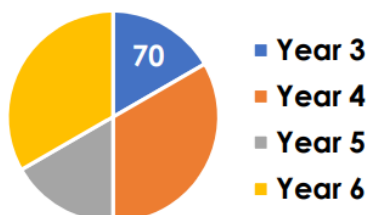| Gaming Console	Tally	Amount
Wii		
Xbox 360		
Playstation 3		
Nintendo Game Cube		

d What fraction of the group surveyed chose Wii?

Rosie says,

I do not have enough information to work out the total number of votes.

Favourite School Year

- Year 3
- Year 4
- Year 5
- Year 6

70

Is she correct? Prove it.

The pie chart shows the votes of 240 people. Find the missing values.

Favourite Bird

30
60

- Robins
- Owls
- Ostriches
- Penguins

How many people from the 320 surveyed chose each option?

Biggest Fear

- Spiders
- Heights
- Being on stage
- Flying
- Other

Ray has forgotten what fraction of the pie chart should be given to 'Elves'. Can you work out the fraction from the information below?

Favourite Group of Characters	
Witches	100
Elves	?
Dragons	50
Knights	50
Total	250 people