

# Drawing Pie Charts

Video 163 on [www.corbettmaths.com](http://www.corbettmaths.com)

Examples



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Workout

\*There is a template sheet at the end of this exercise

Question 1: Draw a pie chart for each set of data below

(a)

Method of Transport	Frequency
Car	8
Bus	11
Walk	12
Cycle	5

(b)

Rugby Team	Frequency
England	20
France	5
Ireland	15
Scotland	25
Wales	25

(c)

Colour	Frequency
Blue	25
Green	14
Red	21

(d)

Grade	Frequency
A	10
B	15
C	13
D	5
E	2

(e)

Make	Frequency
Ford	8
Mazda	14
Volkswagen	21
Fiat	20
Honda	9

(f)

Sport	Frequency
Cricket	7
Football	16
Gaelic Football	48
Hockey	33
Judo	4
Rugby	72

(g)

Language	Frequency
French	14
German	4
Polish	9
Spanish	3

(h)

Opinion	Frequency
Yes	3
No	11
Undecided	4

(i)

Drink	Frequency
Tea	410
Coffee	120
Fruit Juice	140
Water	50

Question 2: Draw a pie chart for each set of data below  
You may use a calculator.

(a)

Holiday Destination	Frequency
France	102
Ireland	78
Portugal	24
Spain	36

(b)

Year Group	Frequency
7	5
8	17
9	20
10	8

(c)

Meal	Frequency
Chinese	54
Indian	49
Italian	17
Thai	8

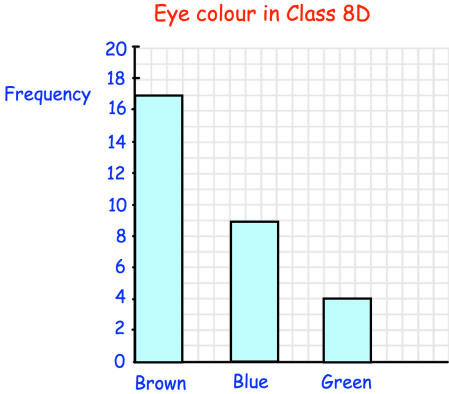
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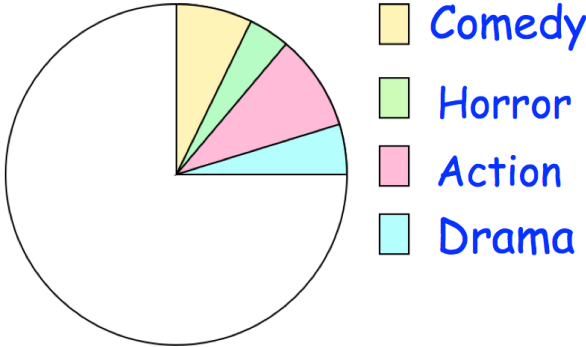
Question 1: Anne-Marie has drawn a bar chart to show the eye colours in class 8D.

- (a) How many students are there in class 8D?
- (b) Show this information in a pie chart.
- (c) What fraction of the students have brown eyes?
- (d) What fraction of the students have blue eyes?
- (e) What fraction of the students have green eyes?



Question 2: Bill has drawn a pie chart to show his friends' favourite genre of film.

Genre	Frequency
Comedy	26
Horror	14
Action	33
Drama	17



- (a) Can you explain to Bill what he has done wrong?
- (b) Draw a correct pie chart for Bill.

Question 3: Erin is calculating the size of each angle for a pie chart.

- (a) Can you spot what Erin has done wrong?
- (b) Calculate the correct angles
- (c) Draw a correct pie chart for Erin

Destination	Frequency	
Employment	15	× 0.2 = 3°
Apprenticeship	11	× 0.2 = 2.2°
Further Education	40	× 0.2 = 8°
Gap Year	6	× 0.2 = 1.2°

$15 + 11 + 40 + 6 = 72$   
 $72 \div 360 = 0.2^\circ \text{ per person}$

Answers



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Templates

