



Joyfulmathswithruth

Functional Skills and GCSE Foundation

Edexcel

Unit 3: Data handling
**Lesson 1 - Pictograms,
bar charts and line
graphs**

FS1

FS2

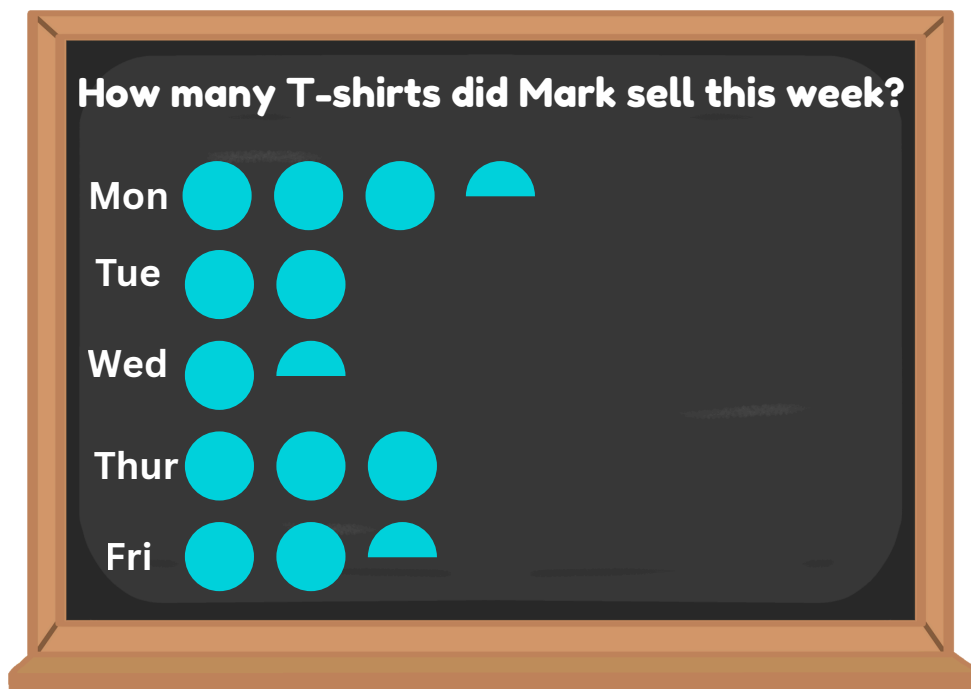
GCSE

iGCSE

Bring to join in:
paint, paper, a pen, something
to wipe your hands clean



Start thinking:



A large empty rectangular box for writing the solution to the problem.

Finger print pictogram



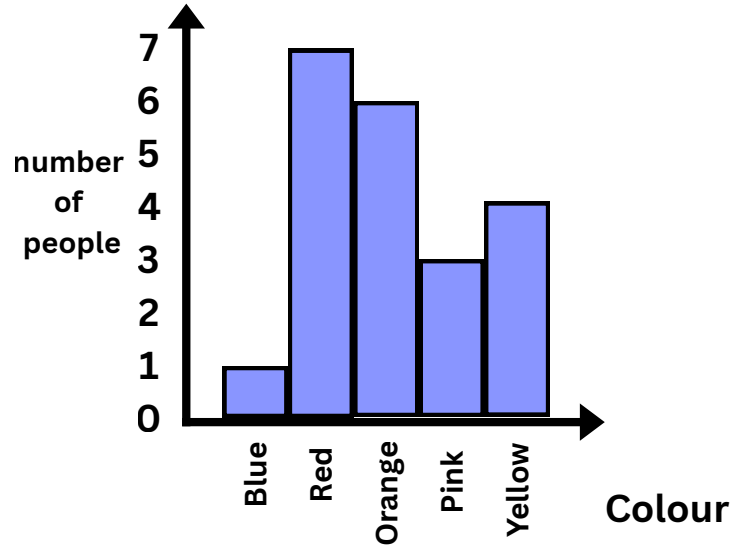
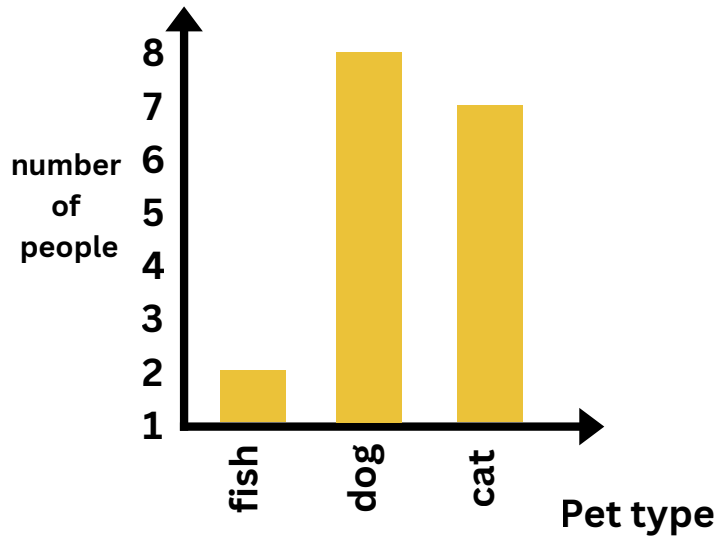
Shoe size	Number of people
5	16
6	20
7	26
8	32
9	12

Key

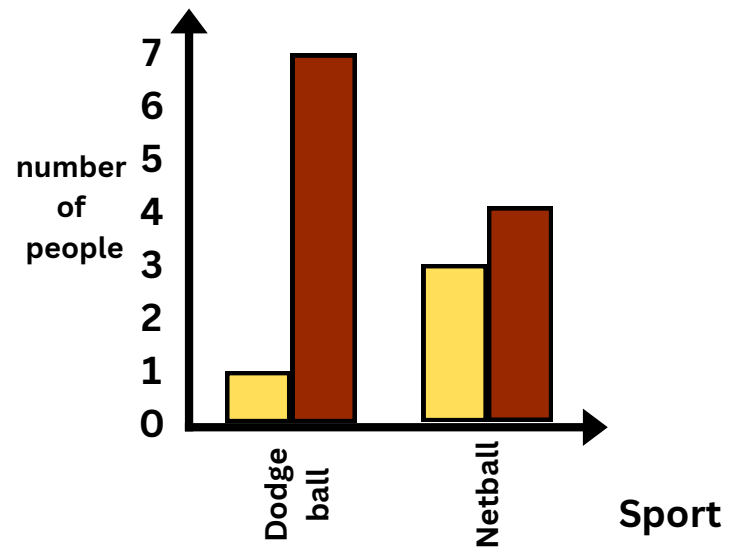
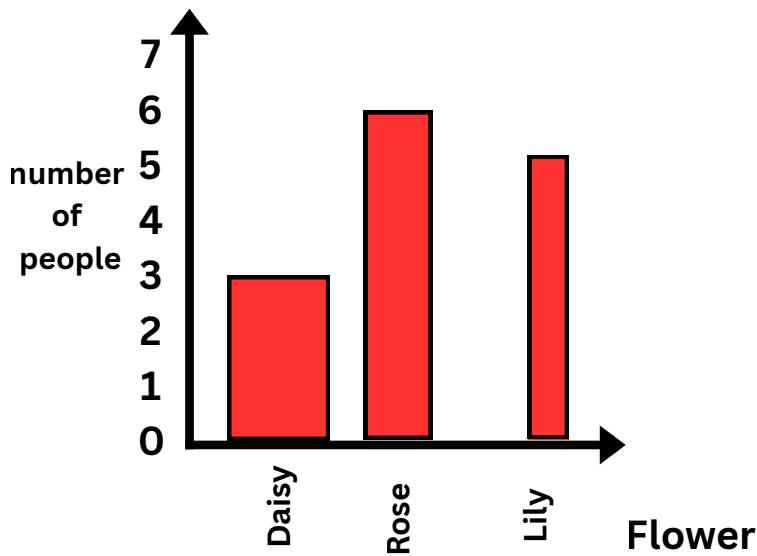


= 8 people

Spot the mistakes:



Optional notes



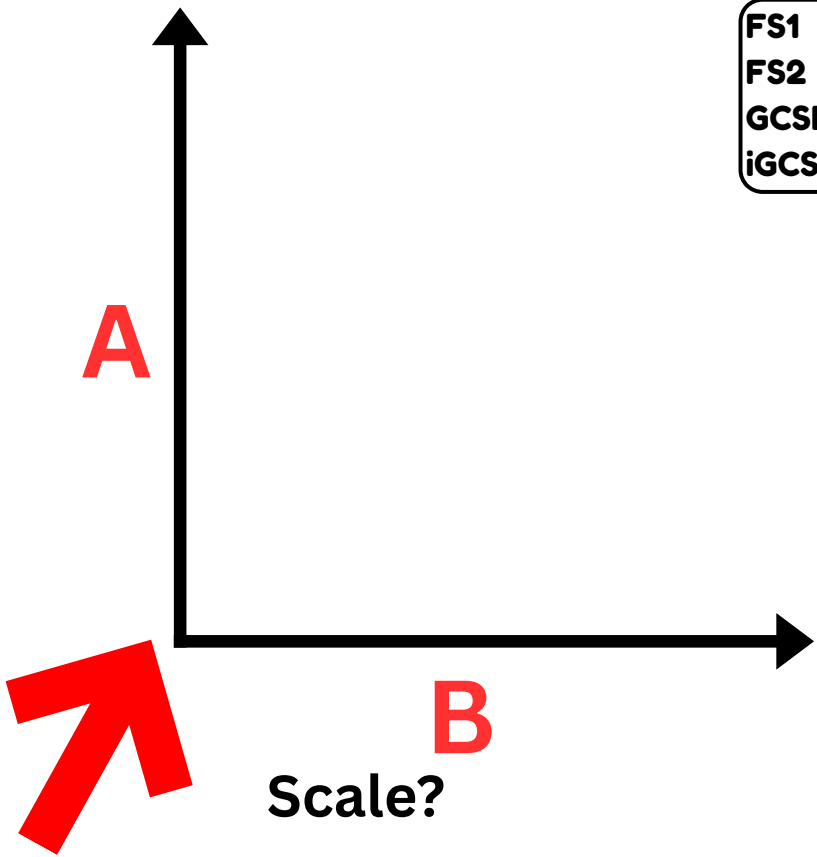
Optional notes

FS1
FS2
GCSE
iGCSE

Line graphs

FS1
FS2
GCSE
iGCSE

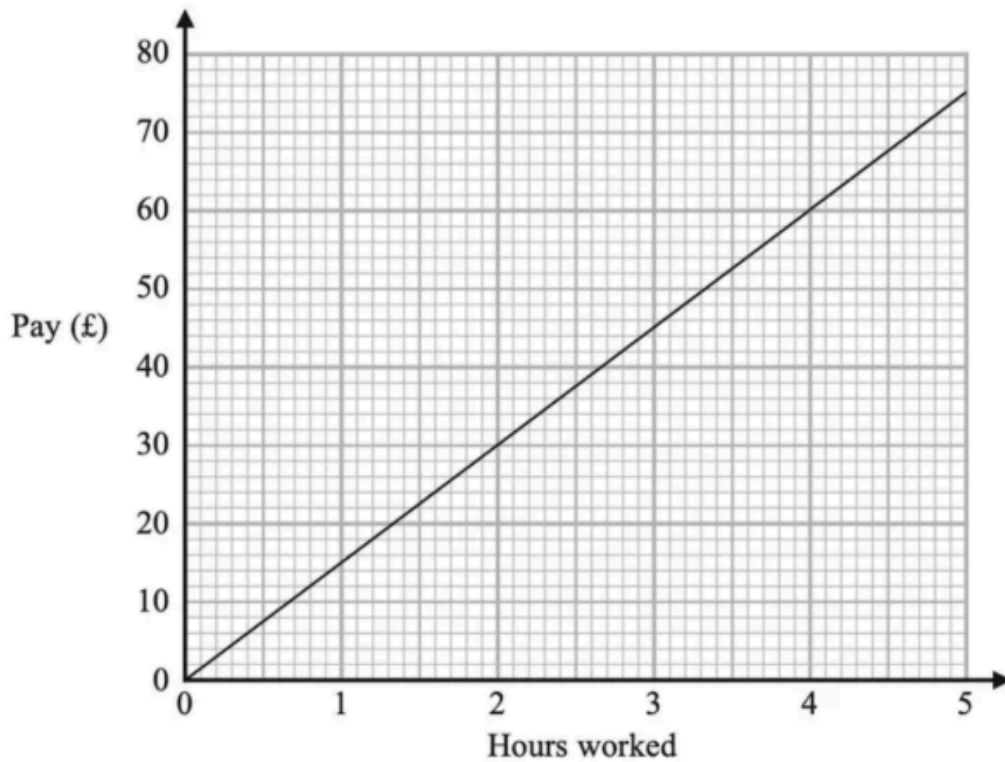
Year	Population
1990	40 million
1995	44 million
2000	50 million
2005	52 million
2010	53.5 million



·	·	·
·	·	·
·	·	·
69 million	60 million	40 million
57 million	55 million	30 million
50 million	50 million	20 million
44 million	45 million	10 million
40 million	40 million	0
A	B	C

Optional notes

Nazima uses this graph to find out how much money she is paid for the number of hours she has worked.



How long does Nazima work to earn £60?

How much does Nazima earn per hour?

Bingo

Equal	Gaps	Straight line
True	Axes	Key
Consistent amounts	Curve	False



At home:

Pictograms - Corbett Maths

<https://corbettmaths.com/wp-content/uploads/2019/01/Pictograms-pdf.pdf>

Answers:

<https://corbettmaths.com/wp-content/uploads/2019/01/Pictograms-Answers.pdf>

Videos

<https://corbettmaths.com/2013/05/25/drawing-pictograms/>

<https://corbettmaths.com/2012/08/09/reading-pictograms/>

Drawing bar charts - Corbett Maths

<https://corbettmaths.com/wp-content/uploads/2019/02/Bar-Charts.pdf>

Answers:

<https://corbettmaths.com/wp-content/uploads/2019/02/Drawing-Bar-Charts-Answers-pdf.pdf>

Video

<https://corbettmaths.com/2013/04/15/drawing-bar-charts/>



At home:

Interpreting bar charts - Corbett Maths

<https://corbettmaths.com/wp-content/uploads/2018/12/Reading-Bar-Charts.pdf>

Answers:

<https://corbettmaths.com/wp-content/uploads/2018/12/Reading-Bar-Charts-Answers.pdf>

Video

<https://corbettmaths.com/2012/08/10/reading-bar-charts/>

Line graphs - Corbett Maths

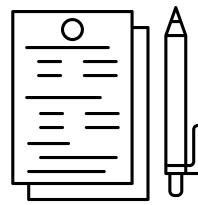
<https://corbettmaths.com/wp-content/uploads/2019/01/Line-Graphs-pdf.pdf>

Answers:

<https://corbettmaths.com/wp-content/uploads/2019/01/Line-Graphs-Answers.pdf>

Video

<https://corbettmaths.com/2013/05/22/line-graphs/>



Exam questions

At home:

Pictograms - Maths Genie

[https://www.mathsgenie.co.uk/resources/1-pictograms-
ws.pdf](https://www.mathsgenie.co.uk/resources/1-pictograms-
ws.pdf)

Answers:

<https://www.mathsgenie.co.uk/resources/1-pictogramsans.pdf>

Bar charts - Maths Genie

<https://www.mathsgenie.co.uk/resources/2-bar-charts.pdf>

Answers:

<https://www.mathsgenie.co.uk/resources/2-bar-chartsans.pdf>

Conversions using line graphs - Maths Genie (Q1, Q2, Q3, Q4, Q9)

[https://www.mathsgenie.co.uk/resources/3-conversions-and-
units-ws.pdf](https://www.mathsgenie.co.uk/resources/3-conversions-and-
units-ws.pdf)

Answers:

[https://www.mathsgenie.co.uk/resources/3-conversions-and-
units-ans.pdf](https://www.mathsgenie.co.uk/resources/3-conversions-and-
units-ans.pdf)