

# Eduqas A Level

# Psychology

GCSE to A Level – Webinar 2

Research Methods Workbook

This booklet is designed to remind you of research methods knowledge and skills that you already have from your GCSE learning.

You must print and keep this  
workbook safe for using in class in  
September

Name:

**Your task at home is to conduct two pieces of research!**

### **Task 1 – Investigating Screen Time**

Your challenge is to collect 2 pieces of data on Screen Time usage.

You are one participant, and you must recruit an adult as the second!

On the same day, both participants will record their Screen Time for that day as well as their age.

	<b>Participant One</b>	<b>Participant Two</b>
<b>Age</b>		
<b>Screen Time</b>		

### **Task Two – Investigating personality**

Your task is to create a personality questionnaire that we can use in class with your new classmates.

You are aiming to find out as much as you can about their personality using only 5 questions!

Write your questions below:

- 1.
- 2.
- 3.
- 4.
- 5.

## Maths Practice

**Measures of Central Tendency:** Explain how to calculate each of these:

**Extension** – When is each measure appropriate to use?

Mean
Median
Mode

Provide the calculations & answer in each box for the following:			
1	What is the mean of 50, 52, 57, 69	6	What is the median of 903, 902, 900, 902, 902
2	What is the median of 89, 91, 92, 90, 91, 87, 88	7	What is the mean of 358, 369, 404
3	What is the range of 15, 12, 31, 10, 17	8	What is the mean of 1, 5, 5, 7, 8, 10
4	What is the mean of 10, 10, 12, 8, 15, 5, 14, 14, 7, 5	9	What is the mode of 721, 724, 726, 724, 724
5	What is the range of 20, 11, 32, 45, 12	10	What is the mean of 500, 600, 498, 486

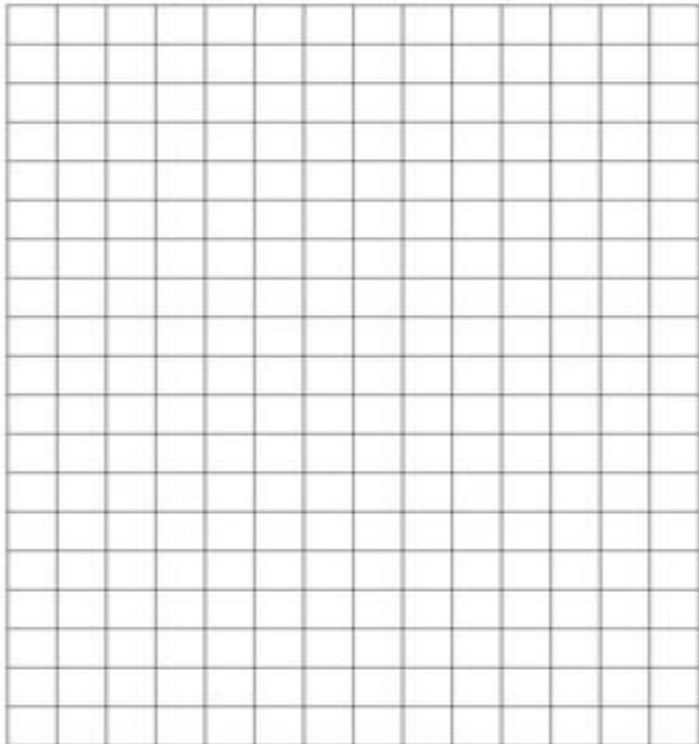
## Graphical Representation

We need to know a variety of types of graphical representation in Psychology, however most of them you will have covered in GCSE maths!

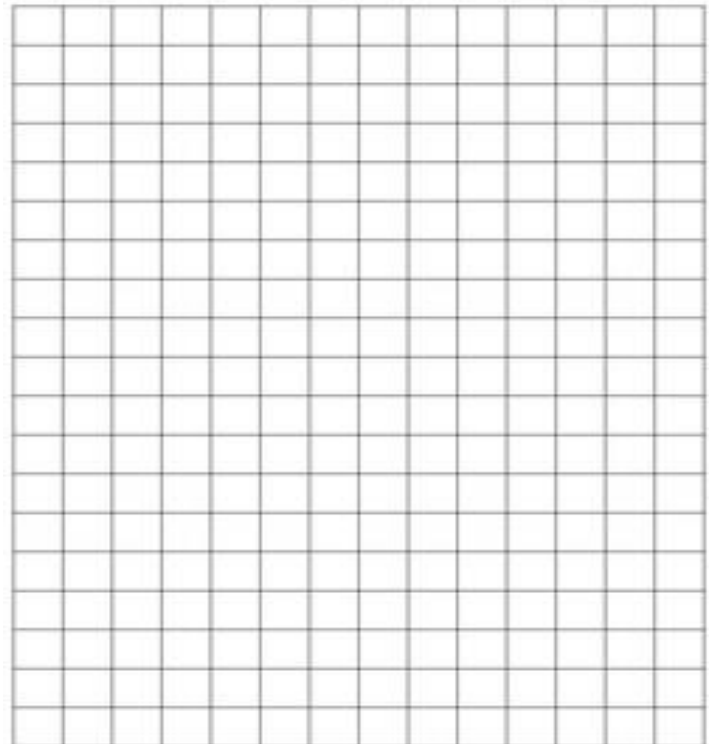
Below you need to roughly sketch a graph for each type. You can make up the data but make sure it is going to fit the correct graph!

Below each one, explain when this graph would be appropriate to use!

### Bar Chart



### Line Graph



#### Features of a Bar Graph

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- 
- 
- 

#### When to use a Bar Graph?

- 

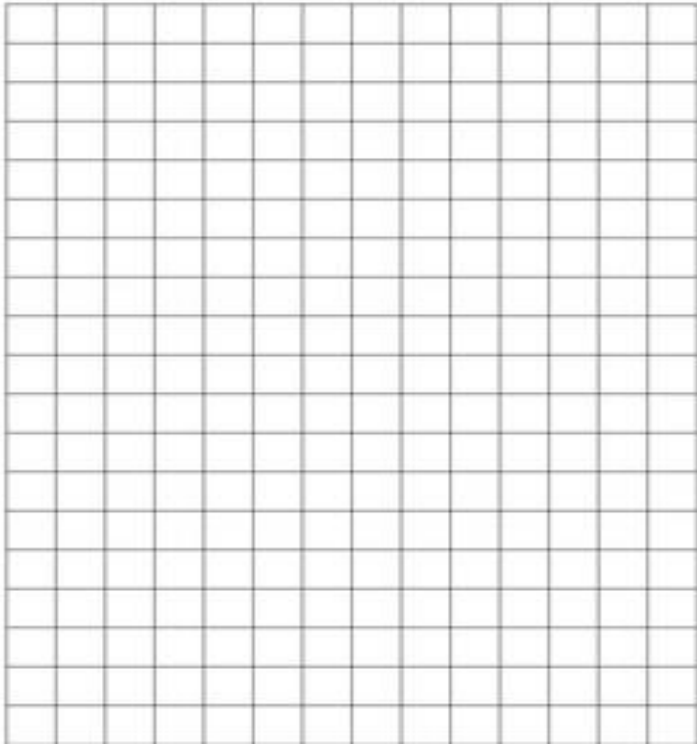
#### Features of a Line Graph

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- 
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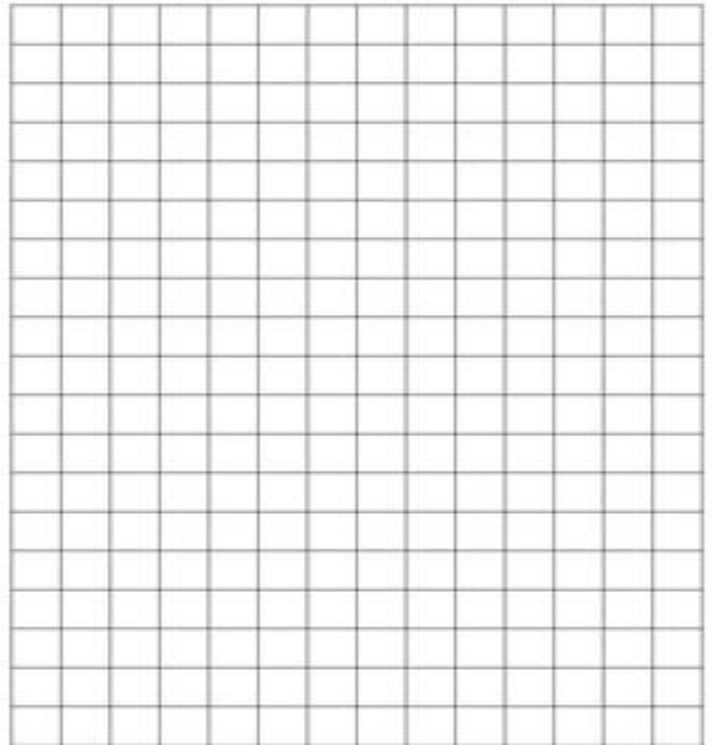
#### When to use a Line Graph?

-

## Pie Chart



## Scatter Plot



### Features of a Pie Chart

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- 
- 
- 

### When to use a Pie Chart?

- 

### Features of a Scatter Plot

- 
- 
- 
- 

### When to use a Scatter Plot?

- 

### Are there any other types of graphs you've learnt about?

- 
- 
-

## Research Methods Knowledge – Key Term Glossary – We will add to this through the year!

Define these key terms:

1. Independent variable
2. Dependent variable
3. Confounding variable
4. Hypothesis
5. Quantitative data
6. Qualitative data
7. An experiment
8. A Correlation
9. Measure of central tendency
10. Measure of dispersion