

# Psychology Step Up Booklet

2023

Name: \_\_\_\_\_

## Table of Contents

<b>Introduction .....</b>	<b>3</b>
<b>Activities .....</b>	<b>3</b>
<b>What is Psychology? .....</b>	<b>3</b>
<b>Why do you want to study psychology? .....</b>	<b>3</b>
<b>Famous Psychologist? .....</b>	<b>4</b>
<b>Writing Activity .....</b>	<b>6</b>

## Introduction

This workbook has been designed to aid you in your transition to Sixth Form Psychology. It contains a number of activities, which you are requested to complete prior to starting your Psychology. Should you require any assistance or advice then you can contact me at

## Activities

### What is Psychology?

Carry out some research and then come up with what you think psychology is.

### Why do you want to study psychology?

Please think about this and then write your thoughts here. Use extra paper if required.

## Famous Psychologist?

Carry out some research into one of the following psychologists and then produce a poster on them.

- Sigmund Freud
- Stanley Milgram
- BF Skinner
- John Bowlby
- Adrain Raine
- Martin Seligman

Make your notes about the person here:

Poster – use this page to produce your poster. If you want you can produce one on A3.

## Writing Activity

During your course you will be expected to write a great deal. In the exam you will also be asked to write extended pieces of work. This activity asks you to think about a topic in detail and then write about it.

Discuss to what extent you agree with the following statement:

***‘without having a mother as the primary caregiver children will not grow up into mature and sensible adults’***

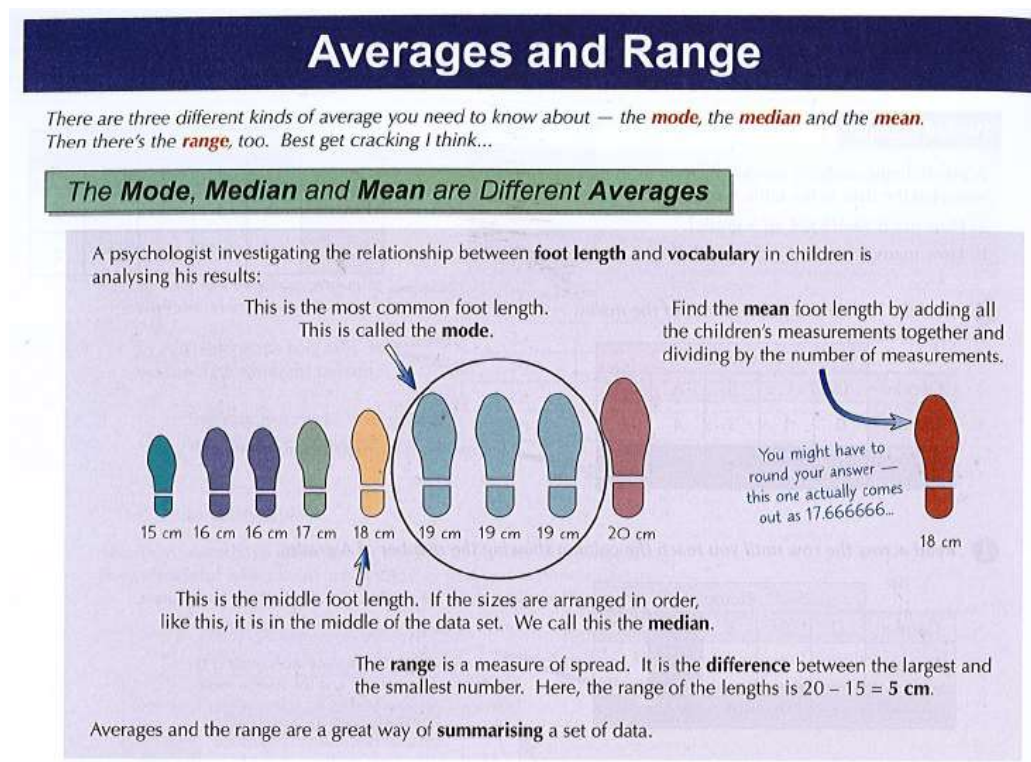
A **primary caregiver** is the person who takes overall responsibility for looking after somebody that cannot look after themselves, i.e. children etc.

Advice:

- Look to write between 400 – 600 words.
- Ensure you have a balance between the two sides of the argument.
- Look for evidence to support your argument – a good place to start is John Bowlby and his theory of attachment. I have also enclosed the following links which you may find helpful:
  - <http://www.newstatesman.com/sci-tech/2014/07/brain-father-why-men-can-be-just-good-primary-parents-women>
  - <http://www.simplypsychology.org/bowlby.html>

Please write your essay on lined paper ensuring that it has your name and the title on it.

## Maths Question



## Make Sure You Know How to Find the Mode, Median, Mean and Range

1) The **mode** is the **most common value**.

- Count **how many times** each value comes up.  
The number that comes up the **most** times is the mode (or modal value).
- A set of data can have **more than one** mode, e.g. if two values come up the same number of times.
- If all the values in a data set are **different**, there **won't be a mode** at all.

2) The **median** is the **middle value** when the data is arranged in order of size.

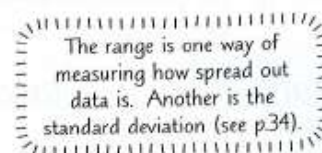
- Write out the values in **size order**.
- The median is the **middle value** in this list.
- If you have an **even number** of values, the median is **halfway** between the middle two values.

3) The **mean** is what people normally mean when they say "average".

- Find it using this **equation**:  $\text{mean} = \frac{\text{total of all the values in your data}}{\text{the number of values in your data}}$

4) The **range** is a measure of how **spread out** your data is.

- Find the range by subtracting the smallest value from the largest.
- The **bigger** the range, the **more spread out** your data is.



## Averages and Range

### Worked Example

Ten people took a memory test. Their scores were 6, 4, 7, 6, 5, 8, 7, 5, 7 and 9.  
Find the mode, median, mean and range of their scores.

1 Count how many people got each score to find the mode.

4 — 1 person	7 — 3 people
5 — 2 people	8 — 1 person
6 — 2 people	9 — 1 person

More people scored 7 than any other number.  
The modal score is 7.

2 Put the numbers in size order to find the median.

4 5 5 6 6 7 7 7 8 9

The middle value is halfway between 6 and 7.  
Add 6 and 7 together then divide by two to find it.

$(6 + 7) \div 2 = 6.5$   
The median score is 6.5.

3 Use a calculator to find the mean.

Add all of the scores together and divide the total by the number of scores (ten).

$(6 + 4 + 7 + 6 + 5 + 8 + 7 + 5 + 7 + 9) \div 10$   
 $= 64 \div 10 = 6.4$   
The mean score is 6.4.

4 Subtract the smallest score from the largest to find the range.

The smallest score is 4 and the largest score is 9.

$9 - 4 = 5$   
The range of the scores is 5.



Nadia was confident her outfit was anything but average.



## Complete the following Questions

### Practice Questions

Q1 16 people's scores in an anxiety test are shown on the right.

- a) What is the range of the scores?
- b) What is the mode?
- c) Find the median score.

15, 7, 2, 5, 9, 3, 5, 6, 5, 4, 6, 2, 8, 12, 3, 8

Q2 A researcher interviewed seven smokers about their smoking habits.

Each smoker was asked how many cigarettes they had smoked the day before the interview. The results are shown on the right.

20, 16, 8, 14, 17, 12, 9

- a) What is the range of the number of cigarettes the participants had smoked the day before the interview?
- b) What was the mean number of cigarettes the participants smoked? Give your answer to 1 decimal place.

Q3 Thirteen people take part in a memory test. Four people score 14, three people score 16, two people score 13, and the other four people score 12, 10, 18 and 15 respectively.

- a) What is the modal score?
- b) What is the median score?
- c) Calculate the mean score. Give your answer to 2 decimal places.

### Working out averages should easily be within your range...

Mode, median, mean and range. There's a bit to remember here but none of it is that tricky. Just make sure you know which is which, then learn how to work them all out, then hopefully you'll be able to bag yourself a few extra marks in the exams.

Write your answers below, ensure you show all your working out.