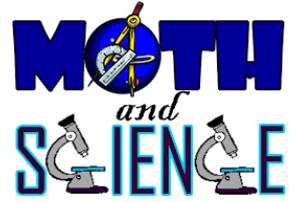


In psychology you will carry out some practical investigations similar to the memory one you have just done. We will then analyse the data collected as you may currently do in science or maths.



Look at the data table and complete the following questions:

A cognitive psychologist investigating how memory works gave participants the same word list to recall in one of two conditions. All the words were of equal difficulty.

Condition 1: Ten participants recalled the words in the same room in which they had learned the words.

Condition 2: Ten different participants recalled the words in a room that was not the same room as that in which they had learned the words.

The following results were obtained:

Mean values for Condition 1 and Condition 2 in a memory experiment.

	Condition 1	Condition 2
Mean	15.9	10.6

How would the psychologist have calculated the mean values?

What do the mean values in this investigation tell us about how our memory works?

In the first year you will also study some mental health problems. Write a paragraph (on a separate piece of paper) about each of the following (include some symptoms, outline one possible cause and outline one possible treatment)

- Phobias
- Depression
- Obsessive Compulsive Disorder (OCD)



Look at the data table and complete the following questions:

A researcher wanted to investigate the effectiveness of therapy as a treatment for obsessive-compulsive disorder in children. Before the therapy started, the mothers of 10 children with obsessive-compulsive disorder each rated the anxiety of their child. They used a rating scale of 1–10, where 1 meant not at all anxious and 10 meant extremely anxious. Each child then attended a programme of therapy. At the end of the programme, each mother rated her child again, using the same anxiety scale. The scores for each child before and after therapy were used to calculate a median anxiety rating.

The data are shown in the table below.

Table 1: of children’s anxiety before and after therapy

Child	Rating Before therapy	Rating After therapy	Child	Rating Before therapy	Rating After therapy
1	8	8	6	3	2
2	7	5	7	4	4
3	7	6	8	8	2
4	6	4	9	5	1
5	8	3	10	6	7

Calculate the mean rating for before and after therapy.

Before After

Was the treatment programme effective? Explain why referring to data on the table.

Are there any problems with suggesting that the treatment programme was the only factor that could have improved their anxiety?



Can you think of any problems with the way the investigation was carried out?

Words for memory test:

Vase

Teapot

Tiger

Camera

Book

Ice Cream

Cushion

Spade

Piano

House

Hat

Orange

Computer

Shoe

Banana