

Dear People

I hope you spotted the DELIBERATE mistake (lol!)

(told you I am rotten at maths and I did not spot this mistake

- *– thank you, Charlie Pitcher.*

**Here are some numbers:** 2, 3, 4, 5, 6

To find their average **(mean)** we:

1. add the numbers together:  $2 + 3 + 4 + 5 + 6$  which equals 30
2. divide that total (30) by however many numbers we have added – there were five numbers so we divide 30 by 5 to get our average **(mean)**
3.  $30 \text{ divided by } 5 = 6$
4. so 6 is the average **(mean)**

However, the RECIPE for finding the ‘mean’ remains the same:

1 – add all the numbers up

2 – divide that total by how many numbers you have added up

ANSWERS FOR THE TASKS are following:

## TASK 1 - answers

Find the mean in each set of data by adding the scores and then dividing by the number of scores:

a 13, 4, 7, 11, 5

$$= \frac{13 + 4 + 7 + 11 + 5}{5}$$

$$= 40 \div 5$$

$$= \underline{\hspace{2cm}}$$

b 9, 13, 5

c 3, 5, 9, 2, 6

a) 8

b) 9

c) 5

## TASK 2 – answers!

Look at the following diving scores:

Marita 7.2	Ben 9.4	Ari 4.6	Mia 7.6
------------	---------	---------	---------

a Calculate the mean.

b Who was closest to the mean?

The mean is 7.2

Marita was closest to the mean

EXTENSION!

The table below shows the number of goals scored over a 5 week period by 3 football teams:



	6/3	13/3	20/3	27/3	3/4	Total	Mean
Fantastic Footballers	2	0	2	8	4	16	3.2
Serious Soccerroos	3	2	4	1	5	15	3
Dangerous Dribblers	0	0	0	0	15	15	3

- a Complete the table by filling in the missing information.
- b Which team has scored the most goals? 

fantastic footballers
- c Which team has the highest mean? 

fantastic footballers
- d You're thinking of joining either the Serious Soccerroos or the Dangerous Dribblers. They both have a mean of 3 goals per game. Which team do you think would be more competitive and why?

The most competitive team has to be the Serious Soccerroos: they score in every game, so it looks like they 'fight' each game. The Dangerous Dribblers haven't scored in 4 games – this could suggest that they give up unless the opposition is so poor that they could score 15 goals! (How often do you see that in a football game?\_!

I'm also realising that I may not have given you enough practice for finding 'means'.

I'm attaching some Target Maths so you can practice!

(Your classmates needed the extra practice today, and I wouldn't like you to suffer!)

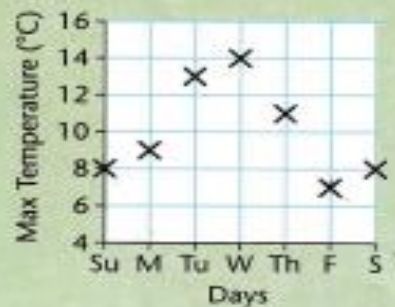
Start at the section you would normally start at in class.

REMEMBER THE RECIPE!

**A**

Find the mean of each set of data.

- The ages of the five children in a family.  
5 5 8 12 15
- The shoe sizes worn by eight women.  
3 5 3 4 6 3 5 3
- The marks out of 10 of nine children in a spelling test.  
7 10 10 7 9  
9 8 2 10
- The number of people entering a shop each minute.  
8 4 2 7 8 3  
6 3 8 4 5 2
- The daily maximum temperature in one week in November.

**B**

Find the mean of each set of data.

- The estimated heights in metres of a rock face made by the climbers.  
90 80 100 150 70  
100 110 90 80 100
- The ages of the eleven players in a football team.  
26 24 17 20 26 28  
19 30 25 17 21
- The number of buses stopping each hour at a bus stop.  
1 3 5 5 4 2 3 4  
5 4 2 3 2 1 1
- The number of people sitting at each table of a cafe.  
4 1 0 2 1 4 1  
1 4 3 4 1 0
- The daily maximum temperatures in °C for one week in May.  
20 16 19 14  
13 18 19

**C**

Find the mean of each set of data.

- The heights in metres of the nine members of a family.  
1.3 1.6 1.2 1.9  
1.1 0.9 1.7 1.2 1.7
- The number of passengers getting off a bus at each of its first eight stops.  
0 1 3 1 4 1 4 6
- The average daily maximum temperature in °C for each month of a year.  
5 6 9 12 15 17  
19 18 14 13 9 7
- The daily maximum temperatures in °C for one week in February.  
4 5 1 -2 -1 4 3
- The number of people living in each of the 100 houses in a road.

People	3	4	5	6
Houses	20	35	30	15