

Wednesday Extra Challenge with Answers

1.

The mean number of goals scored in 6 football matches was 4.
Use this information to calculate how many goals were scored in the 6th match:

Match number	Number of goals
1	8
2	4
3	6
4	2
5	1
6	

As the mean is 4,
the total must be
 $6 \times 4 = 24$.
The missing
number of goals is
3

2.

Three football teams each play 10 matches over a season. The mean number of goals scored by each team was 2.

How many goals might the teams have scored in each match?
How many solutions can you find?



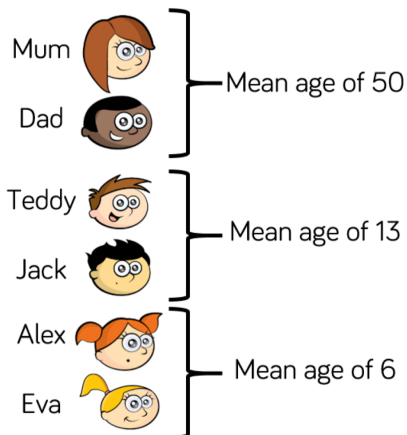
Any sets of 10 numbers that total 20 e.g.
2, 2, 2, 2, 2, 2, 2, 2, 2 and 2
3, 1, 4, 5, 3, 1, 3, 0, 0 and 0 etc.







3.

Work out the age of each member of the family if:

Mum is 48 years old.

Teddy is 4 years older than Jack and 7 years older than Alex.



- Mum  48
- Dad  52
- Teddy  15
- Jack  11
- Alex  8
- Eva  4

Calculate the mean age of the whole family.

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