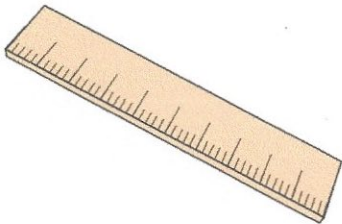Corbettmaths

The Mean

Tips
- Read each question carefully
- Attempt every question.
- Check your answers seem right.
- Always show your workings

Recap

Remember
- There are daily questions found at
  www.corbettmaths.com/5-a-day/primary

1.   Here are the heights of five flowers

   40cm, 15cm, 35cm, 20cm, 30cm

   What is the mean height of the flowers?

   40
   15
   35
   20
   30
   +1
   ────
   140

   028
   5 ⟌ 1'4⁴0

   | 28 | cm |

---

2.   A basketball team plays 4 matches.

   The number of points they score in each match is

   62   55   40   59

   Work out the mean number of points scored

   62
   55
   40
   +59
   ────
   216

   054
   4 ⟌ 2²1'6

   | 54 |

3. Six students try a puzzle.

The times taken to complete the puzzle are below

Student	Time Taken
Anna	16 seconds
Beth	12 seconds
Charlie	19 seconds
Dylan	9 seconds
Emma	10 seconds
Freddie	18 seconds

Work out the mean time taken to complete the puzzle

$$
\begin{array}{r}
16 \\
12 \\
19 \\
9 \\
10 \\
+ 18 \\
\hline
84
\end{array}
$$

$$
\begin{array}{r}
14 \\
6 \overline{)84}
\end{array}
$$

14 seconds

4. Here are the ages of seven teachers

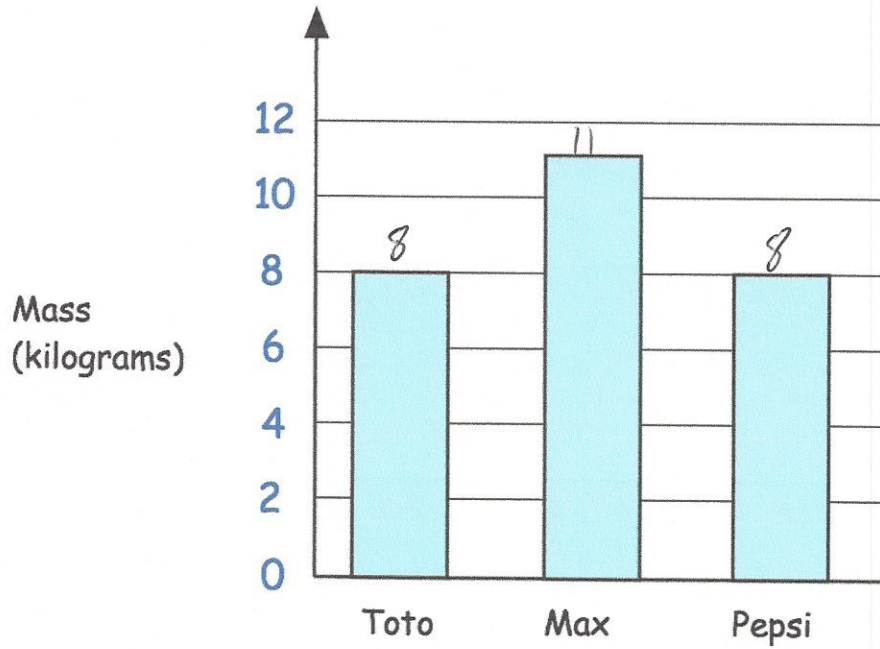| Teacher	Age
Mr Green	38
Miss Jones	25
Miss Smith	48
Mrs Kelly	50
Mr Thomas	57
Mrs Brown	23
Mr Edwards	32

What is the mean age of the teachers?

$$
\begin{array}{r}
38 \\
25 \\
48 \\
50 \\
57 \\
23 \\
+\ 32 \\
\hline
273
\end{array}
$$

$$
\begin{array}{r}
0\ 3\ 9 \\
7\overline{)2^27^63}
\end{array}
$$

39

5. The chart shows the masses of three puppies

Mass (kilograms)

Toto   Max   Pepsi

Work out the mean mass of the puppies

$8 + 11 + 8 = 27$

$27 \div 3 = 9$

9   kg

6. Three numbers have a mean of 10.

   All three numbers are different.

   Write 3 possible numbers on the cards

   | 9 | | 10 | | 11 |

   Any 3 different numbers that add up to 30

7. The time taken for 4 friends to complete a crossword are

12 minutes

600 seconds   10 minutes

half an hour   30 minutes

25 minutes

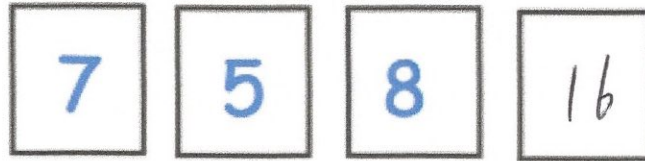Work out the mean time taken to complete the crossword

$$
\begin{array}{r}
12 \\
10 \\
30 \\
+\ 25 \\
\hline
77
\end{array}
$$

$$
\begin{array}{r}
1\ 9 . 2\ 5 \\
4\overline{)7^37.^1 0^2 0}
\end{array}
$$

19.25 mins

8.   Here are four number cards.

The mean of the numbers on the four cards is 9

| 7 | 5 | 8 | 16 |

Work out the missing number

$$7 + 5 + 8 = 20$$

$$9 \times 4 = 36$$

$$36 - 20 = 16$$

9. Here are five number cards.

The mean of the numbers on the five cards is 9

| 13 | 5 | 18 | 2 | 7 |

Work out the missing number

$$5 \times 9 = 45$$

$$
\begin{array}{r}
13 \\
5 \\
18 \\
2 \\
+ \quad \underline{} \\
38
\end{array}
$$

$$45 - 38 = 7$$