# M1.2 – Find arithmetic means

## Teacher answers

### Quiz - calculate the mean:

1. Students measured the number of carrots eaten by rabbits over 24 hours. Calculate the mean number of carrots eaten.

Carrots eaten per rabbit:

6 5 8 5 9 6 7 7 7 8

Mean = 68/10 = 6.8

1. The number of stomata on the upper and lower sides of 5 leaves of a plant were counted.

|  |  |
| --- | --- |
| **No. of stomata on lower side of leaf** | **No. of stomata on upper side of leaf** |
| 45 | 6 |
| 48 | 9 |
| 47 | 11 |
| 50 | 7 |
| 46 | 7 |

How do the mean numbers of stomata compare on the upper and lower sides of the leaf?



= 47.2 stomata (upper)

= 8.0 stomata (lower)

Upper:lower = ~48:8 🡪 ~6:1



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