# Maths skills – M0.4 Estimate results

### Quiz

1. Estimate these and check your approximations using a calculator

|  |  |  |
| --- | --- | --- |
| a) | 15.6 x 24.4 |  |
| b) | 8.8 x 32.3 |  |
| c) | 15.6/24.4 |  |
| d) | 8.8/32.3 |  |

2. Here’s an example from ecological sampling. A 0.5 m x 0.5 m quadrat was used to count plants. Ten samples were taken and the plants in each quadrat counted.

The values were: 7, 3, 6, 12, 4, 8, 8, 9, 10, 2

Make an estimate of the density of plants per m2.

Now calculate the density of plants per m2.

3. Estimate whether the following calculations will give an answer that is greater than, or less than, one.

1. $\frac{3.872}{5×10.2}$
2. $\frac{3}{6×0.2}$
3. $\frac{452×7}{84×113}$
4. $\frac{0.5×0.2}{0.01}$

### Produced in collaboration with the University of East Anglia