

Using a Calculator (B)

ANSWERS



Section A

Calculation	Full calculator display	Answer to 2 decimal places
$(18.133 + 34.6) - (5.2 - 8.9)$	56.433	56.43
$10.02 \times 4.9 + 7.2^2$	100.938	100.94
$34.88 \times 2.13 - 15.64$	58.6544	58.65
$(4.7 + 2.1) \div 0.22$	30.90909091	30.91
$19 + \sqrt{165}$	31.84523258	31.85
$(14.03 - 3.4)^2$	112.9969	113.00
$\sqrt{1.3^2 + 7.22}$	2.984962311	2.98

Section B

- 1) The formula for the area of a circle is πr^2 . Use your calculator to work out the area of a circle with a radius of 9.5 cm. Give your answer to an appropriate degree of accuracy. **283.53 (cm²)**
- 2) What is $\frac{1}{3}$ of $\frac{2}{5}$ of $\frac{4}{17}$? Give your answer as a fraction. **8/255**
- 3) The mean average can be calculated by adding up all the numbers in the data set and then dividing by the amount of numbers in the data set. Work out the mean average of the following numbers: **1.8, 0.94, 2.11, 2.97, 1.43** **1.85**
- 4) Which numbers are equivalent out of the following: $\frac{4}{25}$ 0.24 16%
- 5) Work out the cube of the answer to $4 \times \pi$. Give your answer to an appropriate degree of accuracy. **1984.40**
- 6) The golden ratio appears frequently in both Maths and in nature. The golden ratio is $\frac{\sqrt{5} + 1}{2}$. Work out the golden ratio as a decimal to 5 significant figures. **1.6180**

7) Calculate the total area of 10 triangles with a base length of 97.01 centimetres and height 2.58 metres. 125142.9 (cm²)