



## **USING A CALCULATOR**

## **COMPLEX CALCULATIONS**

Ref: G152. 1R1

		1	1
A1 Evaluate	A2 Evaluate	A3 Evaluate	A4 Evaluate
5.2×3.9	$9.4 + 8.3^2$	$\frac{\sqrt{11.7}}{9.5-3.8}$	$\frac{31.7+9.8}{2.1^2}$
7.3-3.6	0.7	9.5 - 3.8	2.12
Give your answer correct to	Give your answer correct to	Give your answer correct to	Write down all the figures on your
3 significant figures	1 decimal place.	2 significant figures	calculator display.
B1 Evaluate	B2 Evaluate	B3 Evaluate	<b>B4</b> Evaluate
$\frac{14.5}{7.2 - 5.9} - 7.3^2$	$21.4^2 + \frac{152}{2.7 + 5.9}$	$8.7 + \frac{2.3^2 - 0.3^2}{2 + 4 \times 3}$	$\sqrt{17.9} + \frac{3.6 \times 13.7}{\sqrt{53.29}}$
Give your answer correct to	Write down all the figures on your	Give your answer correct to	Give your answer correct to
2 significant figures	calculator display.	1 decimal place.	3 significant figures
C1 Evaluate	C2 Evaluate	C3 Evaluate	C4 Evaluate
$\sqrt{6.3^2-2.6^2}$	$\frac{1.4^3 \times 5.8}{\sqrt{5} - 1.1} + 2.9$	$\frac{27.2 - 9.7}{5 + \sqrt{3.1}}$	$\frac{17.6 - 3.05}{\left(4.6 + 6.8\right)^2}$
·	$\frac{1}{\sqrt{5}-1.1}+2.9$	$5 + \sqrt{3.1}$	$\overline{(4.6+6.8)^2}$
Give your answer correct to	Give your answer correct to	Give your answer correct to	Write down all the figures on your
1 decimal place.	2 significant figures	3 significant figures	calculator display.
D1 Evaluate	D2 Evaluate	D3 Evaluate	<b>D4</b> Evaluate
$\sqrt{4.5^3 + (-7.1)^2}$	$1.2^6 + \frac{2.4^2 \times 5.3}{28 - 3.2^3}$	$\frac{4 \times (12.3 - 4.8)^2}{5\sqrt{12}}$	$\frac{4 + \sqrt{(-4)^2 - 4 \times 3 \times (-5)}}{2 \times 3}$
·	$\frac{1.2}{28-3.2^3}$	5√12	2×3
Write down all the figures on your	Give your answer correct to	Give your answer correct to	Give your answer correct to
calculator display.	3 significant figures	2 significant figures	1 decimal place.





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## **COMPLEX CALCULATIONS**

Ref: G152. 1R1

A1	Eval	luate

$$\frac{5.2 \times 3.9}{7.3 - 3.6}$$

Give your answer correct to 3 significant figures

5.48

A2 Evaluate

$$\frac{9.4 + 8.3^2}{0.7}$$

Give your answer correct to 1 decimal place.

111.8

A3 Evaluate

$$\frac{\sqrt{11.7}}{9.5 - 3.8}$$

Give your answer correct to 2 significant figures

0.60

A4 Evaluate

$$\frac{31.7+9.8}{2.1^2}$$

Write down all the figures on your calculator display.

9.4104308

**B1** Evaluate

$$\frac{14.5}{7.2-5.9}$$
 - 7.3<sup>2</sup>

Give your answer correct to 2 significant figures

-42

**B2** Evaluate

$$21.4^2 + \frac{152}{2.7 + 5.9}$$

Write down all the figures on your calculator display.

475.6344186

**B3** Evaluate

$$8.7 + \frac{2.3^2 - 0.3^2}{2 + 4 \times 3}$$

Give your answer correct to 1 decimal place.

9.1

**B4** Evaluate

$$\sqrt{17.9} + \frac{3.6 \times 13.7}{\sqrt{53.29}}$$

Give your answer correct to 3 significant figures

11.0

C1 Evaluate

$$\sqrt{6.3^2-2.6^2}$$

Give your answer correct to 1 decimal place.

5.7

C2 Evaluate

$$\frac{1.4^3 \times 5.8}{\sqrt{5} - 1.1} + 2.9$$

Give your answer correct to 2 significant figures

17

C3 Evaluate

$$\frac{27.2-9.7}{5+\sqrt{3.1}}$$

Give your answer correct to 3 significant figures

2.59

13

C4 Evaluate

$$\frac{17.6-3.05}{(4.6+6.8)^2}$$

Write down all the figures on your calculator display.

0.1119575254

**D1** Evaluate

$$\sqrt{4.5^3 + (-7.1)^2}$$

Write down all the figures on your calculator display.

11.89684832

**D2** Evaluate

$$1.2^6 + \frac{2.4^2 \times 5.3}{28 - 3.2^3}$$

Give your answer correct to 3 significant figures

-3.42

**D3** Evaluate

$$\frac{4\times(12.3-4.8)^2}{5\sqrt{12}}$$

Give your answer correct to 2 significant figures

**D4** Evaluate

$$\frac{4 + \sqrt{(-4)^2 - 4 \times 3 \times (-5)}}{2 \times 3}$$

Give your answer correct to 1 decimal place.

2.1