Qu		Marks	
01	1	**Marks are for AO1 (knowledge)** A; **R**. More than one lozenge shaded	**1**
01	2	**Marks are for AO1 (knowledge)** C; **R**. More than one lozenge shaded	**1**

Qu		Marks	
2	1	**Mark is for AO1 (understanding)** The set of integers includes negative (whole) numbers; The set of natural numbers do not contain negative (whole) numbers; **Max 1**	1
2	2	**Mark are for AO1 (understanding)** Rational numbers are any numbers able to be represented/expressed as fractions/one integer divided by another; Irrational numbers are any number that are not able to be represented/expressed as fractions/one integer divided by another; **Max 1**	1

Qu	Pt	Marking Guidance	Marks
3	1	**Mark is for AO1 (knowledge)** **1 mark** for description Natural numbers are positive numbers (including zero) // integers include negative numbers; **Mark is for AO1 (understanding)** **1 mark** for example Any example of a negative whole number (eg –2, –999);	2

Qu	Pt	Marking Guidance	Marks
3	2	**Mark is for AO1 (knowledge)** **1 mark** for description An irrational number cannot be written as a fraction / ratio / quotient (with an integer numerator and an integer denominator); **Mark is for AO1 (understanding)** **1 mark** for example Any example of an irrational number (eg $\sqrt{2}$, Pi/π or e.) refer to Team leader if unsure; **R.** Any value expressed to a fixed number of decimal places.	2

Qu	Pt	Marking Guidance	Marks
3	3	**Marks are for AO1 (understanding)** **1 mark** per correct lozenge **Counting**: B (Natural); **Measuring**: D (Real); **R.** More than one lozenge shaded in a column.	2

Qu	Pt	Marking Guidance	Marks
4	1	**Mark is for AO1 (understanding)** **B** ($\sqrt{2}$); **R**. More than one lozenge shaded.	1

Qu	Pt	Marking Guidance	Marks
4	2	**Mark is for AO1 (understanding)** **C** (73); **R**. More than one lozenge shaded.	1

Qu	Pt	Marking Guidance	Marks
4	3	**Mark is for AO1 (knowledge)** The set of all possible real-world quantities; Includes all rational and irrational numbers; A value that represents any quantity along an infinite number line; **A.** All numbers excluding imaginary/complex numbers. **MAX 1**	1

Qu	Pt	Marking Guidance	Marks
4	4	**Mark is for AO1 (knowledge)** **A** ($\mathbb{N}$)**;** **R**. More than one lozenge shaded.	1

Qu	Pt	Marking Guidance	Marks
4	5	**Mark is for AO1 (knowledge)** Ordinal numbers are used to represent/describe the position/index of an object/entity placed in order/sequence; **A.** By example (1^{st}, 2^{nd}, 3^{rd}, etc) as long as at least three given.	1

Qu	Pt	Marking Guidance	Marks
5	1	**Mark is for AO1 (knowledge)** All possible real-world quantities/values/numbers; (Includes) the rational and irrational numbers (and the integers and natural numbers); A value that represents any quantity along the number line; **A.** All numbers excluding imaginary/complex numbers. **Max 1**	1

Qu	Pt	Marking Guidance	Marks
5	2	**Marks are for AO1 (understanding)** **1 mark** per correct lozenge D (5 is a natural number); E (5 is a rational number); **R.** more than two lozenges shaded	2

Qu	Pt	Marking Guidance	Marks
5	3	**Mark is for AO1 (knowledge)** C ($\mathbb{Q}$); **R.** more than one lozenge shaded	1

6	**1**	**Mark is for AO2 (apply)** A; **R.** more than one lozenge shaded	**1**

6	**2**	**Mark is for AO1 (understanding)** E; **R.** more than one lozenge shaded	**1**