

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 $\sqrt{2}$, 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