Subject: Mathematics	Year 8 Autumn Term (Half Term 1)	Assessment Date (Week beginning – 21st October)

Knowledge to be Assessed

Topic	Unit Code
Rounding (Decimal Places & Significant Figures)	1.1
Upper & Lower Bounds (Introduction)	1.2
Upper & Lower Bounds (Understanding)	1.3
Four Operations (Negative Numbers)	2.1
Multiplying (Integers & Decimals)	2.2
Dividing (Integers)	2.3
Dividing (Decimals)	2.4
Dividing (Recurring Decimal)	2.5
BODMAS	2.6
Generating Sequences (Term to Term Rule)	3.1
Generating Sequences (Position to Term Rule)	3.2
nth Term	3.3
Positive Indices	3.4
Index Laws (Positive Indices)	3.5
Index Laws (Negative Indices & Harder Simplification)	3.6
Prime Factorisation	3.7
HCF & LCM	3.8
HCF & LCM (Using Prime Factorisation)	3.9
Write Expressions, Inequalities & Equations	4.1
Collecting Terms (Involving Indices)	4.2
Expand a Single Bracket	4.3
Factorising Expressions	4.4
Simplifying Expressions	4.5

Skills to be Assessed

Use and apply standard techniques:
- Accurately recall facts, terminology, and definitions.
- Use and interpret notation correctly.
- Accurately carry out routine procedures or set tasks requiring multi-step solutions.

Reason, interpret and communicate mathematically:
- Make deductions, inferences and draw conclusions from mathematical information.
- Construct chains of reasoning to achieve a given result.
- Interpret and communicate information accurately.
- Present arguments and proofs.
- Assess the validity of an argument and critically evaluate a given way of presenting information.

Solve problems within mathematics and in other contexts:
- Translate problems in mathematical or non-mathematical contexts into a process or a series of mathematical processes.
- Make and use connections between different parts of mathematics.
- Interpret results in the context of the given problem.
- Evaluate methods used and results obtained.
- Evaluate solutions to identify how they may have been affected by assumptions made.

Resources to help Revision

Tasks	Unit Code
MyMaths - Decimal Places / Significant Figures	1.1
MyMaths - Upper & Lower Bounds 1	1.2
MyMaths - Negative Numbers 2	2.1
MyMaths - Short & Long Multiplication / Multiply Two Decimals	2.2
MyMaths - Short Division / Long Division	2.3
MyMaths - Dividing Decimals by Whole Numbers / Dividing a Decimal by a Decimal	2.4
MyMaths - Recurring Decimals 1	2.5
MyMaths - Order of Operations	2.6
MyMaths - Squares and Cubes	3.4
MyMaths - Indices 1	3.5
MyMaths - Indices 2	3.6
MyMaths - Highest Common Factor / Lowest Common Multiple	3.9
MyMaths - Simplifying 1	4.2
MyMaths - Single Brackets	4.3
MyMaths - Factorising Linear	4.4

Grade Descriptors: How is the assessment graded?

Emerging	Developing	Secure	Mastering	Extending
I don't understand...yet! Students are forming basic skills and knowledge. Follow basic concepts.	I have a basic idea. Students have a basic knowledge of key content and skills. Apply basic concepts.	I can gather ideas together. Students can use knowledge and skills to describe and begin to make links between concepts. Make links between concepts.	I can link and apply my ideas in order to explain things. Students have the confidence to apply detailed knowledge and skills to explain, compare, investigate and begin to evaluate. Explain key concepts.	I can evaluate and analyse my ideas and apply to other situations/contexts. Students apply a diverse range of knowledge and skills in a sophisticated way and can apply this to abstract scenarios. In-depth understanding of most/all concepts.