

Subject: Mathematics

Year 7 Autumn Term (Half Term 1)

Assessment Date (Week beginning – 21st October)

Knowledge to be Assessed

Topic	Unit Code
Order Integers & Decimals	1.1
Rounding (Integers to the nearest 10, 100, 1000 ...)	1.2
Rounding (Decimal Places)	1.3
Rounding (Integers to Significant Figures)	1.4
Rounding (Decimals to Significant Figures)	1.5
Multiplying & Dividing by Powers of 10	1.6
Adding & Subtracting (Integers & Decimals)	2.1
Four Operations (Negative Numbers)	2.2
Multiplying (Integers & Decimals)	2.3
Dividing (Integers)	2.4
Dividing (Decimals)	2.5
Dividing (Recurring Decimal)	2.6
Powers - Read, Write & Evaluate	2.7
BODMAS	2.8
Estimation	2.9
Introduction to Algebra	2.10
Substitution	2.11
Generating Linear Sequences	3.1
Generating Non-linear Sequences	3.2
Recognise Sequences	3.3
Prime Numbers & Factors	3.4
HCF & LCM	3.5

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



<https://www.mymaths.co.uk/>

Tasks	Unit Code
MyMaths - Ordering Whole Numbers / Ordering Decimals	1.1
MyMaths - Rounding to 10, 100	1.2
MyMaths - Decimal Places	1.3
MyMaths - Significant Figures	1.4
MyMaths - Negative Numbers 2	2.2
MyMaths - Short & Long Multiplication / Multiply Two Decimals	2.3
MyMaths - Short Division / Long Division	2.4
MyMaths - Dividing Decimals by Whole Numbers / Dividing a Decimal by a Decimal	2.5
MyMaths - Recurring Decimals 1	2.6
MyMaths - Squares and Cubes	2.7
MyMaths - Order of Operations	2.8
MyMaths - Estimating Introduction	2.9
MyMaths - Introduction to Algebra / Function Machines	2.10
MyMaths - Substitution 1	2.11
MyMaths - Sequences	3.1

Grade Descriptors: How is the assessment graded?

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