MATHEMATICS UNITS

LEVEL A

OUTCOME REL	ATED TESTS		
Reference No.	Title of Unit		
M8A2N1	Our School 1	)	
M8A2N2	Our School 2	)	all 4 units <b>must</b> be used
M8A2IH	Our School 3	)	
M8A2SP	Our School 4	)	
M8A3N1	Journeys 1	)	
M8A3N2	Journeys 2	)	all 4 units <b>must</b> be used
M8A3IH	Journeys 3	)	
M8A3SP	Journeys 4	)	
M9A1N1	Toys 1	)	
M9A1N2	Toys 2	)	all 4 units <b>must</b> be used
M9A1IH	Toys 3	)	
M9A1SP	Toys 4	)	
M9A2N1	At the Seaside 1	)	
M9A2N2	At the Seaside 2	)	all 4 units <b>must</b> be used
M9A2IH	At the Seaside 3	)	
M9A2SP	At the Seaside 4	)	
M0A1N1	Celebrations 1	)	
M0A1N2	Celebrations 2	)	all 4 units <b>must</b> be used
M0A1IH	Celebrations 3	)	
M0A1SP	Celebrations 4	)	
M0A2N1	The Fun House 1	)	
M0A2N2	The Fun House 2	)	all 4 units <b>must</b> be used
M0A2IH	The Fun House 3	)	
M0A2SP	The Fun House 4	)	

N1 units: Number, Money and Measurement, including a separate Mental section

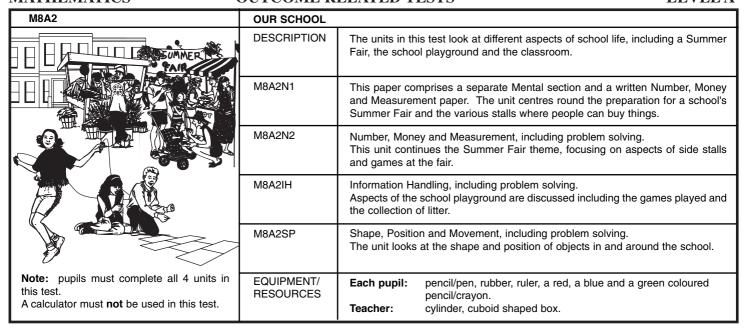
**N2 units:** Number, Money and Measurement, including Problem Solving

**IH units:** Information Handling, including Problem Solving

**SP units:** Shape, Position and Movement, including Problem Solving

Each test is designed to cover a wide range of targets within each outcome.

A calculator should **not** be used for any unit at Level A.



M8A3	JOURNEYS	
	DESCRIPTION	The units in this test look at different types of journeys – by car, by bus, by cycle and by boat as well as buying tickets in a travel centre.
INVERNESS	M8A3N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper.  Mum, Dad, Allan and Monica set off by car to visit Granny.
OBAN PERTH  GLASGOW EDINRURGH	M8A3N2	Number, Money and Measurement, including problem solving.  Jamal is on holiday in Inverness with his friend Andrew. They go on a bus tour and on a cycle run.
	M8A3IH	Information Handling, including problem solving. Susan and Wendy visit a busy travel centre with their parents to buy train tickets.
	M8A3SP	Shape, Position and Movement, including problem solving. Granny takes her grandchildren, Allan and Monica on a ferry trip to the island of Tiree.
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, a red, a blue and a green coloured pencil/crayon.  Teacher: football.

M9A1	TOYS		
	DESCRIPTION	The units in this test are all based on the topic of Toys which is being studied by pupils in a primary school class.	
	M9A1N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. For their topic this term, the pupils in Class 2B are looking at different types of toys.	
	M9A1N2	Number, Money and Measurement, including problem solving. The pupils in Class 2B visit a toy shop as part of their topic on toys.	
	M9A1IH	Information Handling, including problem solving. As part of their toy topic, each pupil brings in a favourite toy to school.	
	M9A1SP	Shape, Position and Movement, including problem solving. The pupils look at some of the toys they have brought to school.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, counters, a red, a yellow and a green coloured pencil/crayon.  Teacher: ball, cuboid shaped box, set of 3D shapes - sphere, cone, cube, cylinder.	

M9A2	AT THE SEASIDE		
	DESCRIPTION	The Luca family and the Elliot family are on holiday at the seaside.	
	M9A2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. Two families are on holiday at the seaside. They build sandcastles on the beach and visit the boating pond.	
	M9A2N2	Number, Money and Measurement, including problem solving. The Luca family makes a visit to the Sea Life Centre while on holiday.	
	M9A2IH	Information Handling, including problem solving. The Elliot family decides to spend a day on the beach.	
	M9A2SP	Shape, Position and Movement, including problem solving. The Luca family goes on a boat trip then collects some shells on the beach.	
Note: pupils must complete all 4 units in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, coloured pencil/crayon, 8 counters.	
A calculator must <b>not</b> be used in this test.		Teacher: set of 3D shapes - sphere, cone, cube, cylinder.	

M0A1	CELEBRATIONS		
	DESCRIPTION	The units in this test are based on different celebrations - a birthday treat, a Christmas party, a bonfire party and a family wedding.	
	MOA1N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. The Birthday Outing: For her birthday treat, Esme takes some friends to the swimming pool.	
	M0A1N2	Number, Money and Measurement, including problem solving. The Christmas Party: Esme and Paul are having a Christmas party in their house.	
	M0A1IH	Information Handling, including problem solving. The Bonfire Party: The McRae family have a bonfire party. They build a bonfire, watch some fireworks and have some food to eat.	
	M0A1SP	Shape, Position and Movement, including problem solving. The Wedding: Sally is going to be a bridesmaid at her Aunt Jane's wedding.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, 8 counters, a red, a blue and a green coloured pencil/crayon, shape templates (master sheet provided), glue stick.  Teacher: cuboid.	

M0A2	THE FUN HOUSE		
	DESCRIPTION	The Fun House is a children's leisure and activity centre. It is full of different amusements and activities for children such as climbing frames, a bouncy castle, slides, ball pools and various games.	
	M0A2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. In the Fun House there are lots of climbing frames, slides and other amusements. There is also a snack bar.	
	M0A2N2	Number, Money and Measurement, including problem solving. Two children, Molly and Leemon, are playing inside the Fun House.	
	M0A2IH	Information Handling, including problem solving. Mary and some of her friends are on an outing to the Fun House.	
	M0A2SP	Shape, Position and Movement, including problem solving. May, Ben, Fiona and Jay are enjoying a day out at the Fun House.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, a red and a blue coloured pencil/crayon.  Teacher: various 3D shapes - cube, cuboid, cylinder, cone, sphere; ball.	

MATHEMATICS UNITS

LEVEL B

Reference No.	Title of Unit		
M8B2N1	The Playground 1	)	
M8B2N2	The Playground 2	)	all 4 units <b>must</b> be used
M8B2IH	The Playground 3	)	
M8B2SP	The Playground 4	)	
M8B3N1	Transport 1	)	
M8B3N2	Transport 2	)	all 4 units <b>must</b> be used
M8B3IH	Transport 3	)	
M8B3SP	Transport 4	)	
M9B1N1	Easter 1	)	
M9B1N2	Easter 2	)	all 4 units <b>must</b> be used
M9B1IH	Easter 3	)	
M9B1SP	Easter 4	)	
M9B2N1	The Weather 1	)	
M9B2N2	The Weather 2	)	all 4 units <b>must</b> be used
M9B2IH	The Weather 3	)	
M9B2SP	The Weather 4	)	
M0B1N1	The Zoo Trip 1	)	
M0B1N2	The Zoo Trip 2	)	all 4 units <b>must</b> be used
M0B1IH	The Zoo Trip 3	)	
M0B1SP	The Zoo Trip 4	)	
M0B2N1	The Theme Park 1	)	
M0B2N2	The Theme Park 2	)	all 4 units <b>must</b> be used
M0B2IH	The Theme Park 3	)	
M0B2SP	The Theme Park 4	)	
Each unit is relate	ed to a specific 5-14 Mathematic	es outco	ome as follows:

Each test is designed to cover a wide range of targets within each outcome.

Information Handling, including Problem Solving

A calculator should **not** be used for any unit at Level B.

N2 units: IH units:

**SP** units:

Number, Money and Measurement, including Problem Solving

Shape, Position and Movement, including Problem Solving

M8B2	THE PLAYGROUND		
	DESCRIPTION	The units in this test look at the different games which may be played in the school playground.	
8	M8B2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. Pupils in a Primary class try out some playground games. They play snakes and ladders, marbles, skittles and lots more.	
30 29 28 27 26 25 19 20 21 22 23 24 18 17 16 15 14 13	M8B2N2	Number, Money and Measurement, including problem solving. This unit discusses various games played in the playground.	
	M8B2IH	Information Handling, including problem solving. New equipment and games are ordered for the school playground.	
7 8 9 10 11 12 6 5 4 3 2 1	M8B2SP	Shape, Position and Movement, including problem solving. The school playground is being brightened up by painting playground games and adding new playground equipment.	
Note: pupils must complete all 4 units in this test. A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, right angle tester, mirror, cube shape, 4 triangular templates (master sheets provided).  Teacher: triangular prism shape.	

M8B3	TRANSPORT	
var III	DESCRIPTION	The units in this test look at travel and transport by land, by air and by water.
		Note: This test is suitable for older pupils at Level B.
	M8B3N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. This unit considers different methods of travelling across land by train, by motorcycle and by car, noting some well-known vehicles.
	M8B3N2	Number, Money and Measurement, including problem solving. This unit looks at different methods of travelling across land and for transporting people and objects.
	M8B3IH	Information Handling, including problem solving. This unit looks at different methods of air travel, starting with balloons, and goes on to look at early planes, jets and space flights.
	M8B3SP	Shape, Position and Movement, including problem solving. This unit looks at different aspects of travel by water.
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, cm ruler, a coloured pencil/crayon, cuboid shape, mirror, right angle template.  Teacher: triangular prism shape.

M9B1	EASTER	
DESCRI		The units in this test focus on various activities associated with Easter in the home and in the classroom.
	M9B1N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. This unit looks at various activities which happen in the Spring time and associated with Easter.
	M9B1N2	Number, Money and Measurement, including problem solving. The children in Mrs Barbour's class are baking Easter cakes and biscuits.
	M9B1IH	Information Handling, including problem solving. The children in P3 are involved in some special activities for Easter.
#8° 80	M9B1SP	Shape, Position and Movement, including problem solving. The school is having an Easter Fun Day and the children take part in Easter games and activities.
<b>Note:</b> pupils must complete all 4 units in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, mirror, right angle tester.
A calculator must <b>not</b> be used in this test.	TILOCOTIOLO	Teacher: several square based pyramid shapes.

M9B2	THE WEATHER		
	DESCRIPTION	The units in this test look at various aspects of weather such as the different types of weather which we experience and at measuring and recording weather.	
	M9B2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. Jack and Anna each keep a weather record for several months.	
	M9B2N2	Number, Money and Measurement, including problem solving. Christopher, Kate and Anna are finding out about the weather. Christopher makes a kite to fly in the wind, Kate finds out more about rain and Anna finds out about snow.	
	M9B2IH	Information Handling, including problem solving.  Jack has been keeping a weather record. The unit looks at some of Jack's findings.	
8588	M9B2SP	Shape, Position and Movement, including problem solving. This unit discusses various aspects of measuring and recording weather.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	<b>Each pupil:</b> pencil/pen, rubber, ruler, selection of specified coins, mirror, cube, right angle tester, 4 weather symbols (master sheet provided).	
A calculator filust flot be used in this test.		Teacher: several solid cylinder shapes.	

M0B1	THE ZOO TRIP	
	DESCRIPTION	Two classes are visiting the zoo with their teachers Miss Clark and Mr Patel. The children see a variety of different animals and birds at the zoo and watch some of the animals being fed. They have lunch at the zoo and visit the zoo shop.
	M0B1N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. A zoo trip is planned. A bus takes the children to the zoo. The children are put into groups for the visit.
	M0B1N2	Number, Money and Measurement, including problem solving. The children visit monkeys, penguins and birds at the zoo.
	M0B1IH	Information Handling, including problem solving.  The children continue their zoo visit. They see the big cats, camels, zebras and giraffes.
	M0B1SP	Shape, Position and Movement, including problem solving. This unit is about finding your way around the zoo, shapes of buildings in the zoo and patterns on zoo creatures.
<b>Note:</b> pupils must complete all 4 units in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, mirror, right angle tester, selection of specified coins.
A calculator must <b>not</b> be used in this test.		Teacher: square based pyramid shape.

M0B2	THE THEME PARK		
	DESCRIPTION	This test is based on a class outing to a Theme Park. The children travel to the Theme Park by bus. At the Theme Park they go on various rides and try to win prizes at the different stalls.	
	M0B2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. The children travel to the Theme Park by bus. There are queues for many of the rides.	
	M0B2N2	Number, Money and Measurement, including problem solving. The children try some of the rides – Dodgems, Spinning Teacups and Go-Kart	
	M0B2IH	Information Handling, including problem solving. The children have tickets for different rides. They compare scores for the Hoopla stall and Hooking Ducks stall.	
	M0B2SP	Shape, Position and Movement, including problem solving.  The location of different rides and patterns and shapes in various stalls are discussed in this unit.	
Note: pupils must complete all 4 units in this test. A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, red, blue and green counters or coloured pencils/crayons, right angle tester, mirror.	
		Teacher: several solid cylinder shapes, triangular prism.	

MATHEMATICS UNITS

LEVEL C

Reference No.	Title of Unit		
M8C2N1	Travelling Around 1	)	
M8C2N2	Travelling Around 2	)	all 4 units <b>must</b> be used
M8C2IH	Travelling Around 3	)	
M8C2SP	Travelling Around 4	)	
M8C3N1	ScotAid 1	)	
M8C3N2	ScotAid 2	)	all 4 units <b>must</b> be used
M8C3IH	ScotAid 3	)	
M8C3SP	ScotAid 4	)	
M9C1N1	Record Breakers 1	)	
M9C1N2	Record Breakers 2	)	all 4 units <b>must</b> be used
M9C1IH	Record Breakers 3	)	
M9C1SP	Record Breakers 4	)	
M9C2N1	Houses and Homes 1	)	
M9C2N2	Houses and Homes 2	)	all 4 units <b>must</b> be used
M9C2IH	Houses and Homes 3	)	
M9C2SP	Houses and Homes 4	)	
M0C1N1	Ancient Egypt 1	)	
M0C1N2	Ancient Egypt 2	)	all 4 units <b>must</b> be used
M0C1IH	Ancient Egypt 3	)	
M0C1SP	Ancient Egypt 4	)	
M0C2N1	Healthy Living Project 1	)	
M0C2N2	Healthy Living Project 2	)	all 4 units <b>must</b> be used
M0C2IH	Healthy Living Project 3	)	
M0C2SP	Healthy Living Project 4	)	

**NI units:** Number, Money and Measurement, including a separate Mental section

N2 units: Number, Money and Measurement, including Problem Solving

**IH units:** Information Handling, including Problem Solving

**SP units:** Shape, Position and Movement, including Problem Solving

Each test is designed to cover a wide range of targets within each outcome.

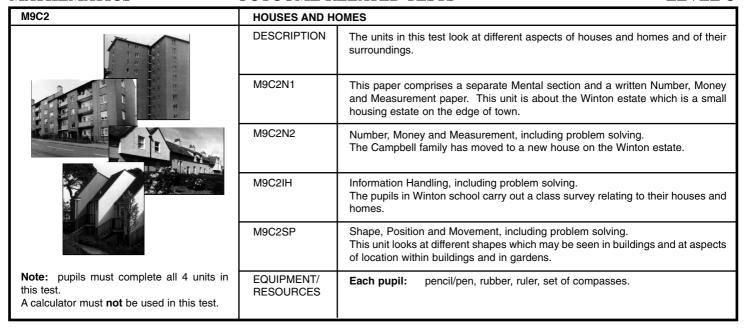
A calculator should **not** be used for any unit at Level C.

M8C2	TRAVELLING AROUND		
	DESCRIPTION	The units in this test cover different aspects of travel by land, sea and air.	
	M8C2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper.  Lynsey and Nicola both buy new bikes. They go on a bike run.	
	M8C2N2	Number, Money and Measurement, including problem solving. This unit deals with different aspects of travelling by rail.	
	M8C2IH	Information Handling, including problem solving. Airports and air travel are the focus of the questions in this unit.	
	M8C2SP	Shape, Position and Movement, including problem solving. This unit looks at different aspects of being on board a ship.	
Note: pupils must complete all 4 units in this test. A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, cm ruler, a red, a blue and a green coloured pencil/crayon, set of compasses.	

M8C3	SCOTAID	
COTAVO	DESCRIPTION	ScotAid is a charity which raises money to help fund projects in third world countries. City High School raises money for the charity and the pupils find out about the types of projects it funds. <b>Note:</b> This test is suitable for older pupils at Level C.
	M8C3N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. The pupils and staff of City High School work together to raise money for a charity which helps people in third world countries.
	M8C3N2	Number, Money and Measurement, including problem solving. City High School is raising money for ScotAid. The charity provides the school with information on some of the projects it helps to fund.
	M8C3IH	Information Handling, including problem solving.  Money raised by the City High School is to be used to help fund an aid project in the African country of Uganda.
	M8C3SP	Shape, Position and Movement, including problem solving. This unit looks at some of the fundraising activities of the ScotAid charity.
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, cm ruler.

M9C1	RECORD BREAKERS		
RECORD	DESCRIPTION	The units in this test are based on information from the Guinness Book of Records.  Note: This test is suitable for older pupils at Level C.	
	M9C1N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. Record breaking feats such as eating baked beans and making omelettes provide some of the topics in this unit.	
	M9C1N2	Number, Money and Measurement, including problem solving. Record breaking animals, fruits and vegetables are some of the topics covered in this unit.	
	M9C1IH	Information Handling, including problem solving. The longest bridges, the tallest trees, the largest litters and the heaviest food items are included in this unit.	
	M9C1SP	Shape, Position and Movement, including problem solving. Record breaking cookies, bridges, buildings and bicycles are all mentioned in this unit.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, set of compasses.	





M0C1	ANCIENT EGYPT		
EGYPT	DESCRIPTION	The units in this test are based on life in Egypt at the time when the Pharaohs ruled and the pyramids were built.	
	M0C1N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. This unit focuses on the building of the pyramids.	
	M0C1N2	Number, Money and Measurement, including problem solving. A class is doing a project about Life in Ancient Egypt. They visit a museum and take part in various activities.	
	M0C1IH	Information Handling, including problem solving.  The children in a class study the Pharaohs of ancient Egypt and some of the things that happened during this period of history.	
	M0C1SP	Shape, Position and Movement, including problem solving. This unit looks at different shapes which may be seen in building pyramids, at the location of burial chambers within pyramids and at hieroglyphic writing.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, a blue, a green and a brown coloured pencil/crayon.	

M0C2	HEALTHY LIVING PROJECT		
PASTA ORANGE JUICE	DESCRIPTION	Some children are doing class projects on Healthy Living. The children find out about the importance of exercise and healthy eating.	
	M0C2N1	This paper comprises a separate Mental section and a written Number, Money and Measurement paper. The children in Mrs Brown's class measure each other's height and weight. They exercise in the playground and measure their pulse rates.	
	M0C2N2	Number, Money and Measurement, including problem solving. The children look at the importance of a balanced diet.	
	M0C2IH	Information Handling, including problem solving. The children in Mr Patel's class are involved in various activities to improve their fitness. The children also set up a Healthy Eating tuck shop.	
	M0C2SP	Shape, Position and Movement, including problem solving.  Mr Patel's class continues to look at diet and exercise as part of healthy living.	
Note: pupils must complete all 4 units in this test.  A calculator must not be used in this test.	EQUIPMENT/ RESOURCES	Each pupil: pencil/pen, rubber, ruler, set of compasses.	