

Aston Tower Community Primary School

Maths Medium Term Planning: Year 2

Year 2: Autumn 1

		Main Maths Objectives
Week	Retrieval	Use place value and number facts to solve problems. Identify, represent and estimate numbers using different representations, including the number line.
1	Read and write numbers to at least 100 in numerals and in	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
	words. Recall and use addition and	Recognise the place value of each digit in a two-digit number (tens and ones).
	subtraction facts to 20 fluently	Compare and order numbers from 0 up to 100; use <, > and = signs.
2	Recognise the place value of each digit in a two-digit number (tens and ones).	Add and subtract numbers using concrete objects and pictorial representations including:
	Decell and use addition and	a two-digit number and ones a two-digit number and tens
	Recall and use addition and subtraction facts to 20 fluently,	two two-digit numbers
	and derive and use related facts	adding three one-digit numbers.
	up to 100.	Solve problems with addition and subtraction using objects and pictorial
	Compare and order numbers from 0 up to 100; use <, > and = signs.	representations, applying increasing knowledge. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
3	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts	Add and subtract numbers using concrete objects and pictorial representations including:
	up to 100	a two-digit number and ones
	1	a two-digit number and tens
	Add and subtract numbers.	two two-digit numbers
	Compare and order numbers from	adding three one-digit numbers.
	0 up to 100; use <, > and = signs.	Solve problems with addition and subtraction using objects and pictorial representations, applying increasing knowledge. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
4	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division
	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	facts, including problems in contexts. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.
5	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division
	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	facts, including problems in contexts. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.
6	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Recognise the equivalence of $2/4$ and $1/2$ Recognise, find, name and write fractions $1/3$, $1/4$, $2/4$ and $3/4$ of a length, shape, a set of objects or quantity. Write a simple fraction, e.g. $1/2$ of $6 = 3$
7	Assess and review	

Year 2: Autumn 2

Week	Retrieval	Main Maths Objectives
1	Recognise the place value of each digit in a two-digit number (tens and ones). Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels.
2	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Choose and use appropriate standard units of measure.	Compare and sequence intervals of time. Know the number of minutes in an hour and the number of hours in a day. Tell the time to the nearest half hour. Tell and write the time to five minutes, including quarter past / to the hour and draw the hands on a clock face to show these times.
3	Know the number of minutes in an hour and the number of hours in a day. Compare and order numbers from 0 up to 100; use <, > and = signs.	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
4	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Combine amounts to make a	Compare and sort common 2-D shapes and everyday objects. Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
5	particular value for money. Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward. Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.	Order and arrange combinations of mathematical objects in patterns and sequences. Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).
6	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.
7	Assess and review	

Year 2: Spring 1

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Week	Retrieval	Use place value and number facts to solve problems.
		Identify, represent and estimate numbers using different representations,
	Read and write numbers to at	including the number line.
4		Recall and use addition and subtraction facts to 20 fluently, and derive and
1	least 100 in numerals and in words.	use related facts up to 100.
		Recognise the place value of each digit in a two-digit number (tens and
	Recall and use addition and	ones).
	subtraction facts to 20 fluently	Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.
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2	Recognise the place value of each digit in a two-digit number (tens and ones).	Add and subtract numbers using concrete objects and pictorial
		representations including:
		a two-digit number and ones
	Recall and use addition and	a two-digit number and tens
	subtraction facts to 20 fluently,	two two-digit numbers
	and derive and use related facts	adding three one-digit numbers.
	up to 100.	
	•	Solve problems with addition and subtraction using objects and pictorial
	Compare and order numbers from	representations, applying increasing knowledge. Recognise and use the inverse relationship between addition and subtractions.
	0 up to 100; use $<$, $>$ and $=$ signs.	and use this to check calculations and missing number problems.
	Recall and use addition and	
3	subtraction facts to 20 fluently,	Add and subtract numbers using concrete objects and pictorial
3	and derive and use related facts	representations including:
	up to 100	a two-digit number and ones
	up to 100	a two-digit number and tens
	Add and subtract numbers.	two two-digit numbers
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	Compare and order numbers from	adding three one-digit numbers.
	0 up to 100; use $<$, $>$ and $=$ signs.	Solve problems with addition and subtraction using objects and pictorial
		representations, applying increasing knowledge.
		Recognise and use the inverse relationship between addition and subtraction
	Count in steps of 2, 3, and 5 from	and use this to check calculations and missing number problems. Recall and use multiplication and division facts for the 2, 5 and 10
4	0, and in tens from any number,	multiplication tables, including recognising odd and even numbers.
7	forward or backward.	Solve problems involving multiplication and division, using materials,
	Torward or backward.	arrays, repeated addition, mental methods, and multiplication and division
	Recall and use addition and	facts, including problems in contexts.
	subtraction facts to 20 fluently,	Show that multiplication of two numbers can be done in any order
	and derive and use related facts	(commutative) and division of one number by another cannot.
	up to 100.	Calculate mathematical statements for multiplication and division within the
	_	multiplication tables and write them using the multiplication (×), division (÷)
		and equals (=) signs.
	Count in steps of 2, 3, and 5 from	Recall and use multiplication and division facts for the 2, 5 and 10
5	0, and in tens from any number,	multiplication tables, including recognising odd and even numbers.
	forward or backward.	Solve problems involving multiplication and division, using materials,
		arrays, repeated addition, mental methods, and multiplication and division
	Recall and use addition and	facts, including problems in contexts.
	subtraction facts to 20 fluently,	Show that multiplication of two numbers can be done in any order
	and derive and use related facts	(commutative) and division of one number by another cannot.
	up to 100.	Calculate mathematical statements for multiplication and division within the
		multiplication tables and write them using the multiplication (\times), division ($\dot{\div}$)
		and equals (=) signs.
	Recall and use multiplication and	Recognise the equivalence of 2/4 and 1/2
6	division facts for the 2, 5 and 10	
	multiplication tables, including	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length,
	recognising odd and even	shape, a set of objects or quantity.
	numbers.	Write a simple fraction, e.g. $\frac{1}{2}$ of $6 = 3$
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7	Assess and review	
7	Assess and review	

Year 2: Spring 2

Week	Retrieval	Main Maths Objectives
1	Compare and order lengths, mass, volume/capacity and record the results using >, < and = Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels.
2	Know the number of minutes in an hour and the number of hours in a day.	Tell and write the time to five minutes, including quarter past / to the hour and draw the hands on a clock face to show these times.
	Compare and sequence intervals of time.	
3	Compare and order lengths, mass, volume/capacity and record the results using >, < and = Find different combinations of coins that equal the same amounts of money.	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
4	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Identify 2-D shapes on the surface of 3-D shapes, [e.g. a circle on a cylinder and a triangle on a pyramid]. Identify and describe the properties of 3-D shapes including the number of edges, vertices and faces. Compare and sort common 3-D shapes and everyday objects.
5	Compare and order numbers from 0 up to 100; use <, > and = signs. Identify 2D and 3D shapes using different properties including symmetry.	Order and arrange combinations of mathematical objects in patterns and sequences. Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).
6	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.
7	Assess and review	

Year 2: Summer 1

	-	Main Maths Objectives
Week	Retrieval	Use place value and number facts to solve problems.
		Identify, represent and estimate numbers using different representations, including the number line.
	Read and write numbers to at	Recall and use addition and subtraction facts to 20 fluently, and derive and use
1	least 100 in numerals and in words.	related facts up to 100.
		Recognise the place value of each digit in a two-digit number (tens and ones).
	Recall and use addition and	Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.
	subtraction facts to 20 fluently	
	Recognise the place value of each	Add and subtract numbers using concrete objects and pictorial
2	digit in a two-digit number (tens and ones). Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts	representations including:
		a two-digit number and ones
		a two-digit number and tens
		two two-digit numbers
	up to 100.	adding three one-digit numbers.
	up to 100.	Solve problems with addition and subtraction using objects and pictorial
	Compare and order numbers from	representations, applying increasing knowledge.
	0 up to 100; use $<$, $>$ and $=$ signs.	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
	Recall and use addition and	
3	subtraction facts to 20 fluently,	Add and subtract numbers using concrete objects and pictorial
3	and derive and use related facts	representations including:
	up to 100	a two-digit number and ones
		a two-digit number and tens
	Add and subtract numbers.	two two-digit numbers
		adding three one-digit numbers.
	Compare and order numbers from	Solve problems with addition and subtraction using objects and pictorial
	0 up to 100; use $<$, $>$ and $=$ signs.	representations, applying increasing knowledge.
		Recognise and use the inverse relationship between addition and subtraction
		and use this to check calculations and missing number problems.
	Count in steps of 2, 3, and 5 from	Recall and use multiplication and division facts for the 2, 5 and 10
4	0, and in tens from any number,	multiplication tables, including recognising odd and even numbers.
	forward or backward.	Solve problems involving multiplication and division, using materials, arrays.
	D 11	repeated addition, mental methods, and multiplication and division facts,
	Recall and use addition and subtraction facts to 20 fluently,	including problems in contexts. Show that multiplication of two numbers can be done in any order
	and derive and use related facts	(commutative) and division of one number by another cannot.
	up to 100.	Calculate mathematical statements for multiplication and division within the
		multiplication tables and write them using the multiplication (\times) , division (\div)
		and equals (=) signs.
	Count in steps of 2, 3, and 5 from	Recall and use multiplication and division facts for the 2, 5 and 10
5	0, and in tens from any number,	multiplication tables, including recognising odd and even numbers.
	forward or backward.	Solve problems involving multiplication and division, using materials, arrays.
	D 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	repeated addition, mental methods, and multiplication and division facts,
	Recall and use addition and	including problems in contexts.
	subtraction facts to 20 fluently, and derive and use related facts	Show that multiplication of two numbers can be done in any order
	up to 100.	(commutative) and division of one number by another cannot. Calculate mathematical statements for multiplication and division within the
	up to 100.	multiplication tables and write them using the multiplication (\times) , division (\div)
	Docall and was resulting to the con-	and equals (=) signs.
_	Recall and use multiplication and	Recognise the equivalence of 2/4 and 1/2
6	division facts for the 2, 5 and 10 multiplication tables, including	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape
	recognising odd and even	a set of objects or quantity.
	numbers.	Write a simple fraction, e.g. $\frac{1}{2}$ of $6 = 3$
7	Assess and review	

Year 2: Summer 2

Week	Retrieval	Main Maths Objectives
1	Compare and order lengths, mass, volume/capacity and record the results using >, < and = Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels.
2	Know the number of minutes in an hour and the number of hours in a day. Identify 2D and 3D shapes by their properties including vertices and	Tell and write the time to five minutes, including quarter past / to the hour and draw the hands on a clock face to show these times.
3	faces. Compare and order lengths, mass, volume/capacity and record the results using >, < and = Find different combinations of coins that equal the same amounts of money.	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
4	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Identify 2-D shapes on the surface of 3-D shapes, [e.g. a circle on a cylinder and a triangle on a pyramid]. Identify and describe the properties of 3-D shapes including the number of edges, vertices and faces. Compare and sort common 3-D shapes and everyday objects.
5	Compare and order numbers from 0 up to 100; use <, > and = signs. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Order and arrange combinations of mathematical objects in patterns and sequences. Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).
6	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.
7	Assess and review	