# **Maths Curriculum Map**

# Year 2 (Autumn)

Key to NCETM colours					
Counting, ordinality and cardinality	https://www.ncetm.org.uk/classroom-resources/ey-cardinality-and-counting/				
Composition	https://www.ncetm.org.uk/classroom-resources/ey- composition/				
Comparison	https://www.ncetm.org.uk/classroom-resources/ey- comparison/				
Number facts and arithmetic	https://www.ncetm.org.uk/classroom-resources/lv-number-facts/				

White Rose Maths	Block 1 Week 1-4 16.9.24 – 11.10.24			Block 2 Week 5 – 9 14.10.24 – 22.11.24			Block 3 Week 10 – 12 25.11.24-13.12.24		Week 13 Consolidation 16.12.24			
Middis	Place	Value			Addition	and Subtra	action		Shape			
Mastering Number		Week 0 – Using the rekenreks	Week 1 Focus on the compositio n of 6, 7, 8 and 9 as '5 and a bit'	Week 2 Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	Week 3 Focus on odd / even parts when even numbers are composed of 2 parts, including when 2 parts are equal (doubles)	Week 4 Focus on the compositio n of 6	Week 5 Focus on the compositio n of 8	Week 6 Focus on the compositio n of 10	Week 7 Focus on the composition of odd numbers including being made of 2s and 1 more, or 1 odd part and 1 even part	Week 8 Focus on the composit ion of 7	Week 9 Focus on the composition n of 9	Week 10 Focus on the compositio n of the numbers 11 to 19 as '10 and a bit'
KIRFS	I can recite the number names in order to 100. I can identify the value of any digit in a two digit number.			I know n	I know number bonds to 20.							
Vocabulary	Digit, tens, ones, place value grid, partition, more, fewer, fewest, greatest, smallest, partition.  fact family, number sentence, number boones, subtract, difference, bar model, in total, taken away, subtract, count be the fact family and the fact family and the fact family are sentence.			odel, repres	ent, how mar	ny are left?,	Quadrilateral hexagon, veri symmetry, sy octagon, edg	tex, vertice mmetrical	s, line of			
Declarative knowledge	<ul> <li>number bonds up to 1</li> <li>add and subtract num which does not include</li> <li>Read and write number</li> <li>Count in steps of 2, 3 as backward.</li> <li>Recognise the place very subsequence</li> </ul>	nbers mentally de bridging 10 ers to at least and 5 from 0, a	, including: a 100 in numen and in tens fro	two-digit num als and in word om any numbe	ber up to 20 and o ls. r, forward and	nes nun • use	nber	subtraction f	multiples of 10 acts to 20 fluer	,		•

Procedural knowledge	<ul> <li>Identify, represent and estimate numbers using different representations including the number line.</li> <li>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs.</li> </ul>	<ul> <li>partitioning a number in different ways to support addition and subtraction [taken from Place Value]</li> <li>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</li> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.</li> <li>Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</li> </ul>	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. •Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. •Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]. •Compare and sort common regular and irregular 2-D and 3-D shapes and everyday objects.
Conditional knowledge         (examples where a pupil will be expected to reason and apply efficient use of declarative and procedural knowledge)	Problem questions Use place value and number facts to solve problems.  Spot the mistake: 45,40,35,25 What is wrong with this sequence of numbers? True or False? I start at 3 and count in threes. I will say 13?  What comes next? 41+5=46, 46+5=51, 51+5=56  Do, then explain 37 13 73 33 3 If you wrote these numbers in order starting with the smallest, which number would be third? Explain how you ordered the numbers.  Do, then explain Show the value of the digit 2 in these numbers? 32 27 92 Explain how you know.  Make up an example Create numbers where the units digit is one less than the tens digit. What is the largest/smallest number?	Problem questions Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.  Convince me  What digits could go in the boxes? Try to find all of the possible answers. How do you know you have got them all? Convince me 7 - 2 = 46  Fact families Which four number sentences link these numbers? 100, 67, 33  What else do you know? If you know; 87 = 100 - 13 what other facts do you know?  Missing symbols Write the missing symbols (+ - =) in these number sentences: 80 20 100 100 70 30 87 13 100  True or false? Are these number sentences true or false? Give your reasons.  73 + 40 = 113 98 - 18 = 70 46 + 77 = 123 92 - 67 = 35  Hard and easy questions  Which questions are easy / hard? Explain why you think the hard questions are hard? 23 + 10 = 93 + 10 =	What's the same, what's different? Pick up and look at these 3-D shapes. Do they all have straight edges and flat faces? What is the same and what is different about these shapes?  Visualising In your head picture a rectangle that is twice as long as it is wide. What could its measurements be?  Always, sometimes, never Is it always, sometimes or nerver true that when you fold a square in half you get a rectangle?  Other possibilities Can you find shapes that can go with the set with this label?  "Have straight sides and all sides are the same length"

		54 + 9 =		
		54 + 1 =		
		Other possibilities		
		+ + = 14		
		What single digit numbers could go in the boxes? How many		
		different ways can you do this?		
		Continue the pattern		
		90 = 100 - 10 80 = 100 - 20		
		Can you make up a similar pattern starting with the numbers 74,		
		26 and 100?		
		Missing numbers What number goes in the missing box? 91 + = 100		
		100 - = 89		
		Fact families –Addition and subtraction bonds to 20.	Recognise 2D and 3D shapes.	
		Check calculations.	Count sides on 2D shapes.	
	· ·	Compare number sentences.	Count vertices on 2D shapes.	
	· ·	Related facts.	Draw 2D shapes.	
		Bonds to 100 (tens).	Lines of symmetry.	
nts	and a process of the control of the	Add and subtract 1s.	Sort 2D shapes.	
Poi	'	more and 10 less	Make patterns with 2D shapes.	
무 &		Add and subtract 10s.	Count faces on 3D shapes.	
rning End Poi (White Rose)	· · · · · · · · · · · · · · · · · · ·	Add a 2-digit and 1-digit number –crossing ten.	Count edges on 3D shapes.	
nin <mark>W</mark>		Subtract a 1-digit number from a 2-digit number –crossing 10.	Count vertices on 3D shapes.	
Learning End Points (White Rose)		Add two 2-digit numbers –not crossing ten –add ones and add tens	1 · · · · · · · · · · · · · · · · · · ·	
_		Add two 2-digit numbers –crossing ten –add ones and add tens.	Make patterns with 3D shapes.	
		Subtract a 2-digit number from a 2-digit number –not crossing ten.		
		Subtract a 2-digit number from a 2-digit number –crossing ten –		
		subtract ones and tens.		
		Bonds to 100 (tens and ones).		
		Add three 1-digit numbers.		
ILLENCE MATICS	The Big Ideas	The Big Ideas	The Big Ideas	
	The constitution (alone) of a district constitution		tt is not an annual for an all the same	
. « <		Understanding that addition of two or more numbers can be done in		
NITRE OF A	·	any order is important to support children's fluency. When adding	that this is a square and this is not , or	
A CE		two numbers it can be more efficient to put the larger number first.	that something like this is a triangle.	
Allow Figure 15.		For example, given 3 + 8 it is easier to calculate 8 + 3.		
2 2 2			It is important for pupils to know	
NATIONAL CENT		When adding three or more numbers it is helpful to look for pairs of	what the properties are that make	
		numbers that are easy to add. For example, given 5 + 8 + 2 it is easier	up certain shapes, and for them not	
		to add 8 + 2 first than to begin with 5 + 8.	to just learn the names of typical	
			proto looking shapes.	
		Understanding the importance of the equals sign meaning 'equivalent		
			It is helpful to think about non	
		the equals sign) is crucial for later work in algebra. Empty box	examples of shapes. For example,	

		problems can support the development of this key idea. Correct use of the equals sign should be reinforced at all times. Altering where the equals sign is placed develops fluency and flexibility.	Why this is not a triangle:  Recognising pattern and generalising structures and relationships are key elements for laying the foundations for later work in algebra.
nrich nrich.maths.org	Five steps to 50 Buzzy Bee	Strike it out 4 Dom Number round up	Inside triangles Square it Poly plug rectangles Let's investigate triangles Complete the square Exploded squares Colouring triangles Chain of triangles Shapely lines Data shapes Matching triangles
Other links	NCETM Teaching for Mastery Year 2  I See Reasoning KS1  Calculation Policy 2023  Vocabulary List 2023	NCETM Teaching for Mastery Year 2  I See Reasoning KS1  Calculation Policy 2023  Vocabulary List 2023	NCETM Teaching for Mastery Year 2  I See Reasoning KS1  Calculation Policy 2023  Vocabulary List 2023

# Maths Curriculum Map – Year 2 (Spring)

White	Block 1 Week 1-2		Block 2 eek 3 - 7						Block 4 Veek 10 - 11	
R <sub>©</sub> se Maths	Money	Multiplicati	on and Divisi	ion		Length and Height		Mass and Capacity		
NCETM MODIL CHIEF & RECILISE WAS TO THE A RECILISE WAS TO THE A RECILISE Mastering Number	Week 11 Compare numbers within 20  Week 12 Focus on doubling numbers to 10, using the '5 and a bit' structure to double 6, 7, 8 and 9	Focus on the composition of 20  Focus on the knowledge of facts within 10 to addition	knowledge of doubles to calculate near doubles n	Week 16 Develop understanding of near doubles	Week 17 Add 3 numbers using known facts	Week 18 Add 2 numbers by 'bridging through 10'	Week 19 Consolidate understanding of adding 2 numbers by 'bridging through 10'	Week 20 Subtract by 'bridging through 10'	Week 21 Consolidate understanding of subtracting by 'bridging through 10'	
KIRFs	I know the multiplication and division facts for the 2 times table.  I know the multiplication and division facts for the 5 times table.  I know the multiplication and division facts for the 10 times table.									
Vocabulary	pound (£), pence (p), coin, note, change.	equal groups, multiplication (*), times group, odd, even.	equal groups, multiplication (×), times-table, times, divide (÷), division, share, group, odd, even.			long, longer, longest short, shorter, shortest, tall, taller, tallest, length height, compare measure distance ruler centimetre. Measure, estimate.  Mass, heavier than, lighter than, gram (g), hundreds, kilogram (kg), volume, millilitre (ml), litre (l), temperature, degrees Celsius (°C), thermometer.		(kg), volume, mperature,		
Declarative knowledge	<ul> <li>count in steps of 2 and 5 starting from zero; count in steps of 10 from any number forwards and backwards</li> <li>Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</li> <li>begin to count in 3s</li> <li>Recall the names of coins – 1p, 2p, 5p, 10p, 20p 50p £1 £2</li> <li>Recall the names of notes - £5, £10, £20, £50</li> <li>Name the symbols for m/cm, kg/g, °C, ml,l</li> <li>count in steps of 2 and 5 starting from zero; count in steps of 10 from any number forwards and backwards</li> </ul>					any				
Procedural	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.	Apply multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.  •Calculate mathematical statements for multiplication and division  •Show that the multiplication order (commutative) and divious of one number by another cannot.  •Calculate mathematical statements for multiplication and division			one in any d division ner	Choose and use standard units to measure length direction (m/cm temperature (°C (litres/ml) to the appropriate unit scales, thermom	co estimate and /height in any (); mass (kg/g); (); capacity nearest , using rulers,	Choose and use appr standard units to es measure length/hei direction (m/cm); m temperature (°C); ca (litres/ml) to the nea appropriate unit, using thermometers and n	imate and ght in any lass (kg/g); pacity grulers, scales,	

		within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.  •Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.	measuring vessels.  Compare and order lengths, mass, volume/capacity and record the results using>, < and =.	vessels.  Compare and order lengths, mass, volume/capacity and record the results using>, < and =.
<b>Conditional knowledge</b> be expected to reason and apply efficient use of declarative and procedural knowledge)	Problem questions Solve simple calculations in a practical context involving addition and subtraction of money of the same unit, including giving change.  Top tips Put these measurements in order starting with the smallest. 75 grammes 85 grammes 100 grammes Explain your thinking  Position the symbols Place the correct symbol between the measurements > or < 36cm 63cm 130ml 103ml Explain your thinking  Application (Practical) Draw two lines	Problem questions -Solve calculations involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.  Making links Write the multiplication number sentences to describe this array What do you notice? Write the division sentences.  Prove It Which four number sentences link these numbers? 3, 5, 15? Prove it.  Missing numbers 10 = 5 x What number could be written in the box?  Making links	Problem questions  Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.  Making links Write the multiplication number sentences to describe this array What do you notice? Write the division sentences.  Prove It Which four number sentences link these numbers? 3, 5, 15? Prove it.  Missing numbers 10 = 5 x What number could be written in the box?	10p and 1p coins?  Undoing The film finishes two hours What time did it start? Draw the the film.	the measurements > or < the measurements > or  tines whose lengths differ by 4cm. transvays can you make 63p using only 20p, after it starts. It finishes at 4.30.
(examples where a pupil will be expect	whose lengths differ by 4cm.  Possibilities  How many different ways can you make 63p using only 2 and 1p coins?  Undoing The film finishes two hours after it starts. It finishes at 4.30. What time did it start? Draw the clock at the start and the finish of the film.	I have 30p in my pocket in 5p coins. How many coins do I	Making links I have 30p in my pocket in 5p coins. How many coins do I have?  True or false? When you count up in tens starting at 5 there will always be 5 units.  Use the inverse Use the inverse to check if the following calculations are correct: 12 ÷ 3 = 4  3 x 5 = 14	Explain thinking The time is 3:15pm. Kate says that in two hours she wi starts at 4:15. Is Kate right? Explain the working backwards Draw hands on the clock faces to see finished 15 minutes later at 10:35  The answer is 3 hours What is what do you notice? What do you notice? 1 hour = 60 minutes	in why.  show when break started and when it .

	Explain thinking The time is 3:15pm. Kate says that in two hours she will be at her football game which starts at 4:15. Is Kate right? Explain why.  Working backwards Draw hands on the clock faces to show when break started	12 ÷ 3 = 4 3 x 5 = 14		½ hour = 30 minutes ¼ hour = 15 minutes Write down some more time fact	ts like these
	and when it finished 15 minutes later at 10:35.  The answer is 3 hours What is the question?  What do you notice?				
	What do you notice? 1 hour = 60 minutes ½ hour = 30 minutes ¼ hour = 15 minutes Write down some more time facts like these  Count money –pence.	Multiplication:	Division:	Measure length (cm).	Compare mass.
Learning End Points (White Rose)	Count money –pounds (notes and coins). Count money –notes and coins.	-	Make equal groups –sharing. Make equal groups –grouping. Divide by 2.Odd and even numbers.	Measure length (m). Compare lengths.	Measure mass in grams.  Measure mass in kilograms.  Compare capacity.  Millilitres.  Litres.  Temperature.
Learning (Whit	Find the total. Find the difference. Find change. Two-step problems.	Multiplication sentences from pictures. Use arrays. 2 times-table 5 times-table. 10 times-table.			
NATIONAL CENTEROS EXCELENCE IN THE TEACHING OF MATHEMATICS	The Big Ideas  We need standard units of measure in order to compare things more accurately and consistently.	The Big Ideas It is important that pupils both commit multiplication facts to memory and also develop an understanding of conceptual relationships. This will aid them in using known facts to work out unknown facts and in solving problems.	The Big Ideas It is important that pupils both commit multiplication facts to memory and also develop an understanding of conceptual relationships. This will aid them in using known facts to work out unknown facts and in solving problems.	accurately and consistently.	e in order to compare things more
			Pupils should look for and recognise patterns within tables and		

	Money bags	Pupils should look for and recognise patterns within tables and connections between them (e.g. 5× is half of 10×).  Pupils should recognise multiplication and division as inverse operations and use this knowledge to solve problems. They should also recognise division as both grouping and sharing. The recognition of pattern in multiplication helps pupils commit facts to memory, for example doubling twice is the same as multiplying by four, or halving a multiple of ten gives you the related multiple of five.	connections between them (e.g. 5× is half of 10×).  Pupils should recognise multiplication and division as inverse operations and use this knowledge to solve problems. They should also recognise division as both grouping and sharing.  The recognition of pattern in multiplication helps pupils commit facts to memory, for example doubling twice is the same as multiplying by four, or halving a multiple of ten gives you the related multiple of five.	Little man	Discuss and chaose
nrich nrich.maths.org	Five coins The puzzling sweet shop	Which symbol? Ordering cards	Double or halve?  Clapping times  How odd  More numbers in the ring  A ring a ring of numbers  Even and odd  Two numbers under the microscope  Odd times even		Discuss and choose  Compare the cups  Order, order!
Other links	NCETM Teaching for Mastery Year 2  I See Reasoning KS1  Calculation Policy 2023  Vocabulary List 2023	2  I See Reasoning KS1  Calculation Policy 2023	See Reasoning KS1  Calculation Policy 2023	NCETM Teaching for Mastery Year 2  I See Reasoning KS1  Calculation Policy 2023  Vocabulary List 2023	NCETM Teaching for Mastery Year 2  I See Reasoning KS1  Calculation Policy 2023  Vocabulary List 2023

## Maths Curriculum Map – Year 2 (Summer)

One of the weeks in June/July is reserved for transition to SJS. This week will slot into the overview below. There are 13 weeks in the summer term. Only 12 are planned for.

White Rose Maths	Block 1 Week 1 – 2 14.4.25-25.4.25	Block 2 Week 3 - 5 28.4.25-16.5.25	Block 2 Week 6 – 7 19.5.25-6.6.25	Block 3 Week 8 – 9 9.6.25-20.6.25	Block 4 Week 10 – 12 23.6.25-11.7.25
	Statistics	Fractions	Position and Direction	Problem Solving and Efficient Methods	Time
Mastering Number	Week 22 Connect the order of multiples of 10 to the order of numbers within 10  Week 23 Connect missing addend problems to subtraction problems	Subtract across the across the 10 within 20, boundary, by subtracting FROM 10 rather than bridging THROUGH 10	Week 27 Use knowledge of composition to reason about expressions and equations and use the equals and inequality symbols in expressions and equations	Week 29 Consolidate understanding and develop fluency in transforming addition calculations involving two adjacent odd or two adjacent even numbers into a double  Week 30 Develop fluency in bonds within and apply this to calculations within and across the 10-boundary using a range of optional activities	Week 31 A range of 6 sessions providing optional activities to provide practice and opportunities for assessment
KIRFs	I know doubles and halves of	numbers to 20.		me to the nearest hour.	
K	I know near doubles to 10.			me to the nearest half hour. me to the nearest quarter hou	r.
Vocabulary	Whole, equal, equal parts, ½, fraction, denominator, fraction bar, numerator, ¼, ¾, third 1/3, unit fraction, non-unit fraction, equivalent.	o'clock, half past, quarter past, quarter to, minute hand, hour hand duration.	Pictogram, key, bar chart, scale, table, row, column, vertical axis, horizontal axis.	Clockwise, anticlockwise, forwards, backwards, left, right, middle, turn, half turn, quarter turn, threequarter turn.	Whole, equal, equal parts, ½, fraction, denominator, fraction bar, numerator, ¼, ¾, third 1/3, unit fraction, non-unit fraction, equivalent.
Declarative knowledge	<ul> <li>double and halve numbers</li> <li>begin to double multiples o</li> <li>Know that one quarter is o</li> <li>Know that one half is one</li> </ul>	f 5, to 100 one of 4 equal parts of 2 equal parts  Kr  Kr  Kr	now that when the minute hand po now that when the minute hand po now that when the minute hand po now that when the minute hand po egin to double two-digit numbers less t	ints at 3 we say quarter past ints at 6 we say half past ints at 9 we say quarter to	4 or 5
Procedural knowledge	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.  Write simple fractions for example, 12 of 6 = 3 and recognise the equivalence of 24 and 12.	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).	another cannot relate	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.  Know the number of minutes in an hour and the number of hours in a day.

Conditional knowledge	inil will be expected to reason and apply efficient use of declarative and procedural knowledge)
	iw liana e arahwa salameza)
	Conditional knowledge

Order and arrange combinations of mathematical objects in patterns and sequences.

#### Spot the mistake:

45.40.35.25 What is wrong

and count in threes. I will sav 13?

41+5=46, 46+5=51, 51+5=56

37 13 73 33 3

Explain how you ordered the numbers.

#### Do, then explain

Show the value of the digit 2 in these numbers? 32 27 92 Explain how you know.

### Make up an example

#### Problem solving

Compare and sequence intervals of time and apply this to problem questions.

#### Top tips

Put these measurements in order starting with the smallest. 75 grammes 85 grammes 100 grammes Explain your thinking

#### Position the symbols

Place the correct symbol between the measurements > or <

36cm 63cm 130ml 103ml

Explain your thinking

Application (Practical) Draw two lines whose lengths differ by 4cm.

**Possibilities** How many different ways can you make 63p using only 20p. 10p and 1p coins?

**Undoing** The film finishes two hours after it starts. It finishes at 4.30. What time did it start? Draw the clock at the start and the finish of the film.

#### **Explain thinking**

The time is 3:15pm. Kate says that in two hours she will be at her football game which starts at 4:15. Is Kate right? Explain why.

### Working backwards

Draw hands on the clock faces to

#### Problem questions

·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 totaling and comparing

#### True or false?

categorical data.

(Looking at a simple pictogram) "More people travel work in a car than on a bicvcle". Is this true or false?

#### Convince me.

Make up vou own 'true/false' statement about the pictogram

#### What's the same, what's different?

Pupils identify similarities and differences between different representations and explain them to each other

#### Create questions

Pupils ask (and answer) questions about different statistical representations using key vocabulary relevant to the objectives.

#### What do you notice?

 $\frac{1}{4}$  of 4 = 1¼ of 8 = 2 ¼ of 12 = 3 Continue the pattern What do you notice?

#### True or false? Half of 20cm = 5cm % of 12cm = 9cm

#### **Ordering**

Put these fractions in the correct order. starting with the smallest. ½ ¼ 1/3

Spot the mistake... and correct it 7.7½.8.9.108½.8.7.6½.

### What comes next?

5½,6½,7½,....,... 9½,9,8½,.....,....

Odd one out. Which is the odd one out in this trio: ½ 2/4 ¼ Why?

#### What do you notice?

Find ½ of 8. Find 2/4 of 8. What do vou notice

## What's the same, what's

different? Pick up and look at these 3-D shapes. Do they all have straight edges and flat faces?

What is the same and what is different about these shapes?

#### **Visualising**

In your head picture a rectangle that is twice as long as it is wide. What could its measurements be?

#### Always, sometimes, never

Is it always, sometimes or never true that when you fold a square in half you get a rectangle.

#### Other possibilities

Can you find shapes that can go with the set with this label? "Have straight sides and all sides are the same length"

with this sequence of numbers?

True or False? I start at 3

### What comes next?

### Do, then explain

If you wrote these numbers in order starting with the smallest, which number would be third?

Create numbers where the units digit is one less than the tens digit. What is the largest/smallest number?

				show when break started and when it finished 15 minutes later at 10:35.  The answer is 3 hours What is the question?  What do you notice? What do you notice? 1 hour = 60 minutes ½ hour = 30 minutes ¼ hour = 15 minutes Write down some more time facts like these
End Points e Rose)	 Make equal parts. Recognise half. Find half. Recognise quarter. Find a quarter. Recognise a third. Find a third. Unit fractions. Non unit fractions. Equivalence of ½ and ²/₄. Find three quarters. Count in fractions.	Describing movement. Describing turns. Describing movement and turns. Making patterns with shapes.	r F	D'clock and half past. Quarter past and quarter to. Telling time to 5 minutes. Minutes in an hour, hours in a day. Find durations of time. Compare durations of time.
MICS ATICS	between a whole and parts of a whole. Ensure children express this relationship when talking about fractions. For example, 'If the bag of 12 sweets is the whole, then 4 sweets are one third of the whole.' Partitioning or 'fair share' problems when each share is less than one gives	It is not uncommon for pupils to say that this is a square and this is not, or that something like this is a triangle.  It is important for pupils to know what the properties are that make up certain shapes, and for them not to just learn the names of typical proto looking shapes. It is helpful to think about non examples of shapes. For example, why this is not a triangle:	multiplication and division, by calculating the answer using concobjects, pictorial representation and arrays with the support of a teacher	measure in order to compare things more accurately and consistently.  per to hat

	Ladybird count		Recognising pattern and generalising structures and relationships are key elements for laying the foundations for later work in algebra.  Three ball lined	Round the two dice	Stop the clock
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	Carroll diagrams		<u>Hundred square</u>	<u>Largest even</u>	What is the time?
	What shape and colour?		Break it up!	Light the lights	Matching time
	<u>Plants</u>		School fair necklaces	l like	
	If the world were a village		Domino patterns	In the playground	
	Sticky data		Repeating patterns		
	Beads and bags		<u>Caterpillars</u>		
	Button up		A city of towers		
	Sort the street		Triple cubes		
	Mixed up socks		Poly plug pattern		
	The hair colour game				
Other links	NCETM Teaching for Mastery Year	NCETM Teaching for Mastery Year 2	NCETM Teaching for Mastery Year 2	NCETM Teaching for Mastery Year 2	NCETM Teaching for Mastery Year 2
	2	I See Reasoning KS1	I See Reasoning KS1	I See Reasoning KS1	I See Reasoning KS1
	I See Reasoning KS1	Calculation Policy 2023	Calculation Policy 2023	Calculation Policy 2023	Calculation Policy 2023
	Calculation Policy 2023				
	Vocabulary List 2023	Vocabulary List 2023	Vocabulary List 2023	Vocabulary List 2023	Vocabulary List 2023