

**Geometry – Shape**

Pupils will be able to:

- 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 2-D and 3-D shapes and everyday objects.

Number – Addition and Subtraction

Pupils will be able to:

- 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
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- add and subtract numbers using concrete objects, pictorial representations, and mentally

Week 1 02.11.26	Week 2 09.11.26	Week 3 16.11.26	Week 4 23.11.26	Week 5 30.11.26	Week 6 07.12.26	Week 7 14.12.25
Y1 Pre-Learning Challenge Geometry · Recognise 2-D and 3-D shapes · Count sides on 2-D shapes · Count vertices on 2-D shapes Use precise language to describe the properties of 2D shapes. Compare shapes by reasoning about similarities and differences in properties.	Lines of symmetry · Use lines of symmetry to complete shapes · Sort 2-D shapes · Count faces on 3-D shapes Use precise language to describe the properties of 3D shapes. Compare shapes by reasoning about similarities and differences in properties.	· Count edges on 3-D shapes · Count vertices on 3D shapes · Sort 3-D shapes · Make patterns with 2-D 3-D shapes Y2 Post Learning Challenge Geometry Use precise language to describe the properties of 3D shapes. Compare shapes by reasoning about similarities and differences in properties.	Y1 Pre-Learning Challenge- Addition and subtraction • Bonds to 10 Secure fluency in addition and subtraction facts within 10, through continued practice. Add and subtract across 10.	• Fact families- bonds to 20 Add and subtract across 10.	• Related facts Add and subtract across 10.	• Bonds to 100 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only tens to/from a two-digit number. Pause & Stretch
Key Vocabulary: curved face edge half hexagon octagon properties pentagon	Key Vocabulary: line of symmetry mirror image mirror line reflect/reflection right rotate/rotating/rotation straight line symmetry/symmetrical	Key Vocabulary: curved surface face edge properties prism rectangular	Key Vocabulary: adding sentence/story bond balances/balancing calculation fact in total larger more	Key Vocabulary: adding sentence/story bond balances/balancing calculation fact in total larger more	Key Vocabulary: adding sentence/story bond balances/balancing calculation fact in total larger more	Key Vocabulary: adding sentence/story bond balances/balancing calculation fact in total larger more

rectangular rotate/rotating/rotation semicircle square prism triangular		square prism straight line triangular vertex/vertices vertical	number facts part-whole model	number facts part-whole model	number facts part-whole model	number facts part-whole model
Outdoor Activity: Bonfire Theme	Discrete Problem Solving Find possibilities Firework Colours Reasoning Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.	Board Games	Discrete Problem Solving Find possibilities Cake Colours (Pete's Cakes) Reasoning Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.	Discrete Problem Solving Find possibilities Elf Hats & T-shirts Reasoning Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.	Outdoor Activity: Christmas Theme	Board Games
Count forwards and backwards, in multiples of 10, from zero, or any other multiple, up to 12x10	Count forwards and backwards, in multiples of 10, from zero, or any other multiple, up to 12x10	Count forwards and backwards, in multiples of 10, from zero, or any other multiple, up to 12x10	Count forwards and backwards, in multiples of 2, from zero, or any other multiple, up to 12x2	Count forwards and backwards, in multiples of 2, from zero, or any other multiple, up to 12x2	Count forwards and backwards, in multiples of 2, from zero, or any other multiple, up to 12x2	Count forwards and backwards, in multiples of 10, from zero, or any other multiple, up to 12x10 Count forwards and backwards, in multiples of 2, from zero, or any other multiple, up to 12x2
Mastering Numbers Week 1: Composition of odd numbers including being made of 2s and 1 more, or 1 odd part and 1 even part.	Mastering Numbers Week 2: - Composition of 7 - Use the Hungarian number pattern and the rekenrek to find all the ways that make 7 can be composed. - Apply knowledge to expressions and equations.	Mastering Numbers Week 3: - Composition of 9. 3-by-3 grid and the rekenrek to find all the ways that 9 can be composed. - Apply knowledge to expressions and equations.	Mastering Numbers Week 4: - Composition of the numbers 11-19 as '10 and a bit'. - Apply to missing addend equations.	Mastering Numbers Week 5: - Compare numbers within 20. - Use proportional reasoning to identify the position of numbers within 20 in the linear number system, using midpoints of 5, 10 and 15.	Mastering Numbers Week 6: - identify bonds of 10 on a 10-frame - record expressions for 10, identifying odd and even pairs of addends. - recap bonds of 10 - identify whether bonds of 10 are composed of odd or even numbers	Consolidation

					• complete part-part-whole diagrams in which the whole is 10. • identify bonds of 10 on their fingers • reason about bonds of 10 using a rekenrek. • reason about bonds of 10 • complete related addition and subtraction equations.	
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