AINS Year 2 Yearly Overview for Mathematics

Autumn Term	Number: Place Value	Number: Addition and Subtraction	Geometry: Shape
	1. Numbers to 20 2. Count objects to 100 by making 10s 3. Recognise tens and ones 4. Use a place value chart 5. Partition numbers to 100 6. Write numbers to 100 in words 7. Flexibly partition numbers to 100 8. Write numbers to 100 in expanded form 9. 10s on the number line to 100 10. 10s and 1s on the number line to 100 11. Estimate numbers on a number line 12. Compare objects 13. Compare numbers 14. Order objects and numbers 15. Count in 2s. 5s and 10s 16. Count in 3s	1. Bonds to 10 2. Fact families – addition and subtraction bonds to 20 3. Related facts 4. Bonds to 100 (tens) 5. Add and subtract 1s 6. Add by making 10 7. Add three 1-digit numbers 8. Add to the next 10 9. Add across a 10 10. Subtract across a 10 11. Subtract from a 10 12. Subtract a 1-digit number from a 2-digit number 13. 10 more, 10 less 14. Add and subtract 10s 15. Add two 2-digit numbers not across 10 16. Add two 2-digit numbers across 10 17. Subtract two 2-digit numbers not across 10 18. Subtract two 2-digit numbers across 10 19. Mixed addition and subtraction 20. Compare number sentences 21. Missing number problems	1. Recognise 2D and 3D shapes 2. Count sides on 2D shapes 3. Count vertices on 2D shapes 4. Draw 2D shapes 5. Lines of symmetry on shapes 6. Use lines of symmetry to complete shapes 7. Sort 2D shapes 8. Count faces on 3D shapes 9. Count edges on 3D shapes 10. Count vertices on 3D shapes 11. Sort 3D shapes 12. Make patterns with 2D and 3D shapes
	Read and write numbers to at least 100 in numerals and in words. Recognise the place value of each digit in a two digit number. Identify, represent and estimate numbers using different representations including the number line. Compare and order numbers from 0 up to 100; use <, > and = signs. Use place value and number facts to solve problems. Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.	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. Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 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.	Recognise 2D and 3D shapes. Count sides on 2D shapes. Count vertices on 2D shapes. Draw 2D shapes. Lines of symmetry. Sort 2D shapes. Make patterns with 2D shapes. Count faces on 3D shapes. Count edges on 3D shapes. Count vertices on 3D shapes. Sort 3D shapes. Make patterns with 3D shapes.

AINS Year 2 Yearly Overview for Mathematics

Spring Term	Measurement: Money	Number: Multiplication and division	Measurement: Length and height	Measurement: Mass, capacity and temperature
	1. Count money – pence 2. Count money – pounds 3. Count money – pounds and pence 4. Choose noted and coins 5. Make the same amount 6. Compare amounts of money 7. Calculate with money 8. Make a pound 9. Find change 10. Two-step problems	1. Recognise equal groups 2. Make equal groups 3. Add equal groups 4. Introduce the multiplication symbol 5. Multiplication sentences 6. Use arrays 7. Make equal groups – grouping 8. Make equal groups – sharing 9. The 2 times table 10. Divide by 2 11. Doubling and halving 12. Odd and even numbers 13. The 10 times table 14. Divide by 10 15. The 5 times table 16. Divide by 5 17. The 5 and 10 times tables	1. Measure in centimetres 2. Measure in metres 3. Compare lengths and heights 4. Order lengths and heights 5. Four operations with lengths and heights	1. Compare mass 2. Measure in grams 3. Measure in kilograms 4. Four operations with mass 5. Compare volume and capacity 6. Measure in millilitres 7. Measure in litres 8. Four operations with volume and capacity 9. Temperature
	Count money – pence. Count money – pounds (notes and coins). Count money – notes and coins. Select money. Make the same amount. Compare money. Find the total. Find the difference. Find change. Two-step problems.	Recognise equal groups. Make equal groups. Add equal groups Multiplication sentences using the x symbol Multiplication sentences from pictures Use arrays 2 times-table 5 times-table 10 times-table	Measure length (cm). Measure length (m). Compare lengths. Order lengths. Four operations with lengths.	Compare mass. Measure mass in grams. Measure mass in kilograms. Compare capacity. Millilitres. Litres. Temperature.

AINS Year 2 Yearly Overview for Mathematics

Summer Term	Number: Fractions	Measurement: Time	Statistics	Geometry: Position and direction	Consolidation
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	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 $\frac{1}{2}$ and $^2/_4$. Find three quarters. Count in fractions.	O'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.	Make tally charts. Draw pictograms (1-1). Interpret pictograms (1-1). Draw pictograms (2, 5 and 10). Interpret pictograms (2, 5 and 10). Block diagrams.	Describing movement. Describing turns. Describing movement and turns. Making patterns with shapes.	

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