

Year 5 maths overview 2021-22

Autumn term 2021-					
1 Chapter 1: Numb Recap year 4 Book 4A, Ch.1, Lesson 7: Comparing & Ordering Numbers To compare and order 4-digit	Lesson 1: Reading & Writing Numbers to 100 000 To read and represent numbers to 100 000.	Lesson 2: Reading & Writing Numbers to 1 000 000 To read and represent numbers to 1 000 000.	Lesson 3: Reading & Writing Numbers to 1 000 000 To read and represent numbers to 1 000 000 using number discs.	Lesson 4: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.	Lesson 5: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.
numbers.					
2 Chapter 1: Numb					
Lesson 6: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using pictorial representations and proportionality.	Lesson 7: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 from pictorial representations, using lists and number lines.	ADDITIONAL LESSON: (if needed) Embed numbers to 1,000,000 (including position on a number line)	Lesson 8: Making Number Patterns To make and identify patterns in numbers using knowledge of place value.	Lesson 9: Making Number Patterns To make number patterns that decrease in multiples of 10 000 or 100 000.	ADDITIONAL LESSON: Recap year 4: <u>Book 4A,</u> Ch. 1: Lesson 14: Rounding Numbers to Estimate
3 Chapter 1: Number	ers to 1 000 000				
Lesson 10 <u>over 2</u> days: Rounding Numbers To round numbers to the nearest 10 000 using number lines and bar graphs.	Lesson 10 <u>over 2</u> <u>days:</u> Rounding Numbers	Lesson 11 <u>over 2</u> <u>days:</u> Rounding Numbers To round numbers to the nearest 100 000 using number lines and bar graphs.	Lesson 11 <u>over 2</u> <u>days:</u> Rounding Numbers	Lesson 12: Rounding Numbers To round numbers to the nearest 100, 1000, 10 000 and 100 000 using number lines.	ADDITIONAL LESSON: (if needed, Embed to the nearest rounding 100, 1000, etc. <u>using number lines</u>
Chapter 2: Whole N	lumbers: Addition an	d Subtraction			
Chapter 1	Book 4A, Ch.2, Ch.1, Lesson 5: Adding with Renaming To add with renaming (in 100s, 10s & 1s).	Book 4A, Ch.2, Lesson 13: Subtracting with Renaming To subtract with renaming.	On to Add To add using the 'counting on' strategy with concrete materials and number lines.	Backwards to Subtract To subtract using the counting backwards strategy with concrete materials.	within 1 000 000 To add numbers within 1 000 000 using rounding and concrete materials.
	Numbers: Addition of				
Lesson 4: Adding and Subtracting within 1 000 000 To use addition and subtraction to solve comparison probs with numbers to 1000 000.	Lesson 5: Adding within 1 000 000 To add numbers within 1 000 000 using the column method of addition.	Lesson 6: Subtracting within 1 000 000 To subtract using the column method, number bonds and number discs using numbers to 1 000 000.	Lesson 7: Adding and Subtracting within 1 000 000 To add and subtract using number bonds as a key strategy using numbers within 1 000 000.	Lesson 9: Subtracting within 1 000 000 To subtract numbers to 1 000 000 using concrete materials, the column method and number bonds.	Lesson 10: Part 1 Subtracting within 1 000 000 To consolidate and refine subtraction skills and place- value knowledge to solve subtraction problems.
	Numbers: Addition of			Chapter 3: Multiplic	cation and Division
Lesson 10: Part 2 Subtracting within 1 000 000 To consolidate & refine subtraction skills & place-value knowledge to solve subtraction.	ADDITIONAL LESSON: (if needed) Embed formal addition and subtraction	ADDITIONAL LESSON: (if needed) Embed formal addition and subtraction	REVIEW: Chapter 2	Recap year 4 Book 4A, Ch.4, Lesson 6: <u>Multiplying</u> 2-Digit Numbers To multiply 2-digit numbers.	Recap year 4 Book 4A, Ch.4, Lesson 7: <u>Multiplying</u> 2-Digit Numbers To multiply 2-digit numbers with renaming.
	lication and Division	1			Outob "
Recap year 4 <u>Book 4A</u> , Ch.4, Lesson 10: <u>Multiplying</u> 3-Digit Numbers To multiply 3-digit numbers (renaming).	Lesson 1: Finding Multiples (over 2 days) To consolidate and review multiplication; to find the result of multiplying by a number.	Lesson 1: Finding Multiples (over 2 days)	Lesson 2: Finding Factors <u>over 2 days</u> To consolidate and review multiplication; to find the numbers we can multiply by to get a number.	Lesson 2: Finding Factors <u>over 2 days</u>	Catch up time
Half term break					

Year 5 maths overview 2021-22



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Number's car number's that only have 2 factors. NB: R27: SMD-2 find factors and numbers. Including common factors and common multiples, and express a given mumbers variability of 2 of 3 factors. Lesson 12: Lesson 13: Lesson 13: Lesson 14:	
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100 and 1000 To multiply 1- and 2- digit numbers by 1 Digit 100 and 1000. Numbers by 1 Digit To multiply 2-8 digit numbers by an 1-digit number by an 1-digit number, using grid method as key strategies. Mer Autumn paper Nfer Autumn paper 1-digit number 3-digit by 1-digit 1-digit number, using grid method as key strategies. Nfer Autumn paper 1-digit number 3-digit by 1-digit 1-digit number 3-digit by 10, 100 and 1000 To find thousands, Divide 3-digit numbers with remainders. Nfer Autumn paper 1-digit number 3-digit number 1-digit number 1-digi	n 13 : Multiply
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100 and 1000.1-digit number using multiple strategies.digit numbers.with regrouping, using a variety of strategies.numbers by 2-digit numbers using multiple methods.using meth meth Methods.10 Chapter 3: Multiplication and DivisionADDITIONAL ESSON1 (<i>if needed</i>) Digit Number to a 2-digit number, using gid method a column methodNfer Autumn paperNfer Autumn paper multiplicationNfer Autumn paper multiplicationNfer Autumn paper methodNfer Autumn paper Miter Autumn paperNfer Autumn paper multiplicationNfer Autumn paper multiplicationNfer Autumn paper methodNfer Autumn paper method10 Chapter 3: Multiplication a 2-digit number, using gid method & column methodRecap year 4 Book AA, Ch.4, Lesson 16: Dividing 3-Digit Numbers Divide 3-digit numbers.Lesson 16: Dividing by 10, 100 and 1000 3-Digit numbers by 3-Digit Numbers Divide 3-digit numbers, using numbers with remainders.Lesson 16: Dividing by 10, 100 and 1000 100 and 1000 3-Digit numbers by 3-Digit numbers, using numbers by 3-Digit Numbers Divide 3-digit numbers with remainders.Lesson 16: Dividing to find thousands, hundreds and tens in a 4-digit number bonds and long division are the gigit numbers by single- digit numbers by single- digit number bonds and long division are the key strategies.Lesson 18: Dividing digit numbers by single- digit numbe	ultiply 2-digit
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10 Chapter 3: Multiplication and Division Lesson 14: Multiplying a 3-Digit Number by a 2- Digit Number To multiply a 3-digit by a 2-digit number, using grid method as key strategies. ADDITIONAL LESSON: (if needed) Embed formal multiplication 3 digit x 2 digit Nfer Autumn paper Nfer Autumn paper Nfer Autumn paper Recar <u>Book</u> <u>Book</u> 42-Digit with r 11 Chapter 3: Multiplication and Division Recap year 4 <u>Book 4A, Ch.4, Lesson 15: Dividing</u> 3-Digit Numbers Divide 3-digit numbers. Recap year 4 <u>Book 4A, Ch.4, Lesson 16: Dividing</u> 3-Digit Numbers Divide 3-digit numbers. Lesson 16: Dividing by 10, 100 and 1000 To find thousands, hundreds and tens in a 4-digit number to using concrete materials. Lesson 17: Dividing 3-Digit Numbers Divide 3- and 4- digit numbers, using number bonds and long division are the key strategies. Lesson 18: Dividing 4-Digit Numbers To divide 3- and 4- digit numbers, using number bonds and long division are the key strategies. Lesson 17: Dividing 4-Digit Numbers To divide 4-digit numbers, using number bonds and long division are the key strategies. Lesson 18: Dividing 4-Digit Numbers To divide 4-digit numbers, using number bonds and long division are the key strategies. Lesson 18: Dividing 4-Digit Numbers To divide 4-digit numbers, using number bonds and long division are the key strategies. Lesson 11: Reading Tables To read the information presented in a table and interpret its meaning. Lesson 1: Reading Tables To read the information presented in a table and interpret its meaning.	od, no bonds
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represents data. by more thn 1 line. relationships & det	termine how / shade tenth
14 Chapter 6: Fractions(Yr 3 & 4:HL 2019-21) (Year 3 & Year 4: HL 2019-21: Fractions) Fractions(Yr 3 & 4:HL 2019-21) (Year 3 & Year 4: HL 2019-21: Fractions)	
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year 3 fractions: year 3 fractions: year 3 fractions: year 3 fractions: Ch.11, Lesson 2: Ch.11, Lesson 3: Ch.11, Lesson 5: Ch.11, Lesson 8:	
Making Number Adding Fractions Subtracting Finding Equivalent	
Pairs To make no. To add fractions Fractions To Fractions To Fractions To find	
pairs to create 1; to with the same subtract fractions equivalent	
combine fractions denominator. with the same fractions; to place	
to make 1. name. fractions on a	

Year 5 maths overview 2021-22



1 Spring term 1 202	1-22				
		Chapter 11: YFAR 3	Fractions (Year 3 H	L AND Year 4 HL 2019	-21)
		ADDITIONAL	ADDITIONAL	ADDITIONAL	ADDITIONAL
		LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	LESSON: Fractions
		Recap year 3	Recap <u>year 3</u>	Recap <u>year 3</u>	Recap <u>year 3</u>
		Ch.11, Lesson 10:	Ch.11, Lesson 12:	Ch.11, Lesson 16:	Ch.11, Lesson 18:
		Finding Equivalent	Finding the Simplest	Comparing	Adding Fractions
Bank Holiday	INSET day	Fractions	Fraction	Fractions	To add fractions
ballk Holiday	inser day	To find equivalent	To find the simplest	To compare	using pictorial
		fractions using	fraction using	fractions using	representations; to
		concrete objects	visualisation and	pictorial represents;	simplify fractions
		,	concrete materials.	to understand the	after adding them.
		and pictorial	concrete materials.	numerical nature of	uner adding mem.
		representations.			
2 Chapter 11: VEA	R 3 Fractions & Chapt	er A: VEAP A Fraction	s (Year 3 HL AND Ye	the numerator.	
ADDITIONAL		ADDITIONAL	ADDITIONAL	ADDITIONAL	ADDITIONAL
LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	LESSON: Fractions
Recap <u>year 3:</u>	Recap year 3	Recap <u>year 3</u>	Recap year 3	Recap year 4:	Recap year 4:
Ch.11, Lesson 19:	Book 3B, Ch 11,	Book 3B, Ch 11,	<u>Book 3B</u> , Ch 11,	<u>Book 4A</u> , Ch.6,	Book 4A, Ch.6,
Subtracting	Lesson 21: Finding	Lesson 22: Finding	Lesson 23: Finding	Lesson 3: Showing	Lesson 4: Finding
-	Part of a Set	Part of a Set	the Fraction of a	Mixed Numbers on	Equivalent Fractions
Fractions To subtract fractions	To determine a	To find a fraction of	Number	a Number Line	To find equivalent
using pictorial	fraction of a whole	a whole number	To consolidate	To show mixed	fractions.
representations; to	number using		finding the fraction	number fractions on	Book 4A, Ch.6,
•	0	using pictorial	of a whole number.	a number line.	
simplify fractions	pictorial	representations,	or a whole humber.	a number line.	Lesson 5: Finding
after they have been subtracted.	representations.	multiplication and			Equivalent Fractions
been subiracted.		concrete objects.			To find equivalent
					fractions (further
2 Chamber 11: VEA	D 2 Ergotions & Chan	ter (; VEAD 4 Ergetier	(Verr 2 HLAND Ve		practise). Ch 6: Fractions
ADDITIONAL	R 3 Fractions & Chap	ADDITIONAL	ADDITIONAL	ADDITIONAL	Lesson 1: Dividing to
LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	LESSON: Fractions	Make Fractions
Recap <u>year 4</u> :	Recap <u>year 4</u> :	Recap <u>year 4</u> :	Recap year 4	Recap year 4	To divide whole
Book 4A, Ch.6,	Book 4A, Ch.6,	Book 4A, Ch.6,	Book 4A, Ch.6,	Book 4A, Ch.6,	numbers to create
Lesson 7:	Lesson 9: Adding	Lesson 10: Adding	Lesson 11:	Lesson 12:	fractions; to create
Simplifying	Fractions To be add	Fractions	Subtracting	Subtracting	mixed numbers and
Improper Fractions	fractions with the	To add fractions	Fractions	Fractions	improper fractions
To be able to	same denominator	(simplest form).	To subtract a	To subtract fractions	when dividing
simplify improper	and record answers		fraction from a	(equivalence).	whole numbers.
fractions.	as mixed numbers.		whole number.		
	ons (Year 3 HL AND		Lonon Er	Lessen ()	Lesson 7: Making
Lesson 2: Writing Improper Fractions	Lesson 3: Finding Equivalent Fractions	Lesson 4: Comparing and	Lesson 5: Comparing and	Lesson 6: Comparing and	Lesson 7: Making Number Pairs
and Mixed	To find equivalent	Ordering Fractions	Ordering Fractions	Ordering Fractions	lo make number
Numbers	franchionan				
	fractions using	To compare and	To compare and	To compare mixed	pairs (number
To write improper	fractions using pictorial methods.	order fractions using	order improper	nos. using pictorial;	bonds) with
To write improper fractions and mixed		order fractions using the pictorial	order improper fractions using the	nos. using pictorial; to find common	bonds) with fractions with
To write improper fractions and mixed numbers using a		order fractions using	order improper	nos. using pictorial; to find common denominators	bonds) with fractions with different
To write improper fractions and mixed numbers using a number line and		order fractions using the pictorial	order improper fractions using the	nos. using pictorial; to find common denominators where one fraction	bonds) with fractions with
To write improper fractions and mixed numbers using a		order fractions using the pictorial	order improper fractions using the	nos. using pictorial; to find common denominators where one fraction is already common	bonds) with fractions with different
To write improper fractions and mixed numbers using a number line and pictorial methods.	pictorial methods.	order fractions using the pictorial method.	order improper fractions using the	nos. using pictorial; to find common denominators where one fraction	bonds) with fractions with different
To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract	pictorial methods. ions <u>(Year 3 HL AND</u>	order fractions using the pictorial method. Year 4 HL 2019-21)	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all.	bonds) with fractions with different denominators.
To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all.	bonds) with fractions with different denominators.
To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding Fractions	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding Fractions	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding Fractions	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all. Lesson 12: Subtracting	bonds) with fractions with different denominators. Lesson 13: Subtracting
To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding Fractions To add unlike	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding Fractions To add unlike	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding Fractions To add together	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all. Lesson 12: Subtracting Fractions	bonds) with fractions with different denominators. Lesson 13: Subtracting Fractions To
To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding Fractions To add unlike fractions by finding	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding Fractions To add unlike fractions by finding	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding Fractions To add together unlike fractions	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all. Lesson 12: Subtracting Fractions To subtract fractions	bonds) with fractions with different denominators. Lesson 13: Subtracting Fractions To subtract fractions
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To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods. 6 Chapter 6: Fractions Lesson 14: Subtracting Fractions To subtract fractions	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods. ons <u>(Year 3 HL AND</u> Lesson 15: Multiplying Fractions by Whole Numbers To multiply	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding Fractions To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions. Year 4 HL 2019-21) Lesson 16: Multiplying Fractions by Whole Numbers To multiply	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all. Lesson 12: Subtracting Fractions To subtract fractions with different denominators; to subtract fractions from whole numbers.	bonds) with fractions with different denominators. Lesson 13: Subtracting Fractions To subtract fractions with denominators not the same; to use bar models for subtracting fractions.
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To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods. 6 Chapter 6: Fractic Lesson 14: Subtracting Fractions To subtract fractions and mixed numbers from mixed numbers with different	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods. ons <u>(Year 3 HL AND</u> Lesson 15: Multiplying Fractions by Whole Numbers To multiply fractions by whole numbers creating other fractions, mixed numbers or	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding Fractions To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions. Year 4 HL 2019-21) Lesson 16: Multiplying Fractions by Whole Numbers To multiply fractions by whole numbers where the product is an improper fraction or	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all. Lesson 12: Subtracting Fractions To subtract fractions with different denominators; to subtract fractions from whole numbers.	bonds) with fractions with different denominators. Lesson 13: Subtracting Fractions To subtract fractions with denominators not the same; to use bar models for subtracting fractions.
To write improper fractions and mixed numbers using a number line and pictorial methods. 5 Chapter 6: Fract Lesson 8: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods. 6 Chapter 6: Fractic Lesson 14: Subtracting Fractions To subtract fractions and mixed numbers from mixed numbers with	pictorial methods. ions <u>(Year 3 HL AND</u> Lesson 9: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods. ons <u>(Year 3 HL AND</u>) Lesson 15: Multiplying Fractions by Whole Numbers To multiply fractions by whole numbers creating other fractions,	order fractions using the pictorial method. Year 4 HL 2019-21) Lesson 10: Adding Fractions To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions. Year 4 HL 2019-21) Lesson 16: Multiplying Fractions by Whole Numbers To multiply fractions by whole numbers where the product is an	order improper fractions using the pictorial method.	nos. using pictorial; to find common denominators where one fraction is already common denominator for all. Lesson 12: Subtracting Fractions To subtract fractions with different denominators; to subtract fractions from whole numbers.	bonds) with fractions with different denominators. Lesson 13: Subtracting Fractions To subtract fractions with denominators not the same; to use bar models for subtracting fractions.





1 Spring term 2 202	1-22				
Recap				Chapter 7: Decima	ls
ADDITIONAL LESSON: Embed fractions	REVIEW: Chapter 6 Fractions	Revisit formal addition, subtraction and multiplication of whole numbers (as needed)	Revisit formal multiplication and division of whole numbers (as needed)	ADDITIONAL LESSON: Recap year 4 decimals: Bk 4B, Chapter 8, Lesson 17: Dividing Whole Numbers by 100 To divide whole numbers by 100&10. (will need place value charts)	Lesson 1: Writing Decimals To write decimal numbers.
2 Chapter 7: Decin	nals				
Lesson 2: Reading and Writing Decimals To read and write decimals. 3 Chapter 7: Decin	Lesson 3: Reading and Writing Decimals To read and write decimals.	Lesson 4: Comparing Decimals To compare tenths and hundredths written as decimals.	Lesson 5: Comparing Decimals To order and compare decimals.	Lesson 6: Comparing Decimals To compare and order decimals of amounts.	Lesson 7: Writing Fractions as Decimals To write fractions a decimals.
Lesson 8: Adding	mais			Lessen Q. Adding	Lessen 10: Adding
and Subtracting Decimals To add and subtract amounts in decimals.	Nfer Spring arithmetic test	Nfer Spring test	Nfer Spring test	Lesson 9: Adding and Subtracting Decimals To add and subtract decimals. To add and subtract amounts in pounds and pence.	Lesson 10: Adding and Subtracting Decimals To add and subtract amounts in pounds and pence
4 Chapter 7: Decin	nals				
Lesson 11: Adding and Subtracting Decimals To add and subtract decimals. To add and subtract amounts in pounds and pence.	Lesson 12: Adding and Subtracting Decimals To add and subtract decimals to find the smallest possible sum and difference.	Lesson 13: Adding and Subtracting Decimals To add and subtract decimals. To find number pairs that add up to 1.	Lesson 14: Adding and Subtracting Decimals To add and subtract the perimeter of an object using decimals.	Lesson 15: Rounding Decimals To round decimals to the nearest whole number. To round numbers to the nearest tenth.	ADDITIONAL LESSON: Rounding decimals & problems using addition and subtraction of decimals (Could use Power Maths, it another lesson is needed)
5 Chapter 8: Percer	ntages			Chapter 9: Geomet	ry
Lesson 1: Comparing Quantities To compare quantities. To compare fractions, decimals and percentages. To convert fractions to decimals and percentages.	Lesson 2: Finding Percentages To convert values of an amount into percentages. To convert fractions into percentages.	Lesson 3: Finding Percentages To convert values of an amount into percentages. To convert fractions into percentages.	REVIEW: Chapter 7: Decimals Chapter 8: Percentages	Recap year 4 geometry: Bk 4B, Chapter 12, Lesson 7 : Completing Symmetrical Figures To be able to complete a simple symmetric figure with respect to a specific line of symmetry.	Lesson 1: Knowing Types of Angles To know the names and qualities of acute, right, obtuse and reflex angles.
6 Chapter 9: Geom	netry		Catch up time	Catch up time	Catch up time
Lesson 2: Measuring Angles (over 2 days) To measure angles using a protractor.	Lesson 2: Measuring Angles (over 2 days)	Lesson 3: Measuring Angles To draw, measure and add angles using a protractor.			