

## Autumn Term- Year 5

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
Unit 1 - Decimal Identify tenths as part Describe and represen Count in tenths in diffe Describe and write dec Compare and order de Explain that decimal ni Use their knowledge to Use their knowledge to Use their knowledge to Identify hundredths as Describe and represen Describe and order de Explain that decimal ni Use their knowledge o Explain that different I Use their knowledge o Use their knowledge o	Fractions (5wks) of a whole t tenths as a decimal fraction rent ways imal numbers with tenths in cimal numbers with tenths umbers with tenths can be co umbers with tenths can be co o calculate with decimal num o calculate with decimal num round a decimal number wit	different ways mposed additively mposed multiplicatively pers within and across one pers using mental methods pers using column addition h tenths to the nearest wh ction ths in different ways ths be partitioned in different ert between and compare itively and multiplicatively problems in different com pers up to and bridging on pers using column addition marest tenth	whole s and subtraction hole number ways metres and centimetres texts e tenth		Week 6     Unit 2 – Money (2     Pupils explain and repre     pounds as a quantity of     Explain and represent w     pence as a quantity of m     Explain how to compare     money     Convert quantities of mo     pounds and pence     Use their knowledge of a     efficiently add commoni     Use their knowledge of a     calculate the change due     whole pounds or notes     Use and explain the most     strategies when adding a     money     Use and explain the most     strategies when subtract     money     Find the change when p     items     Use the most efficient a	2wks) sent whole money hole pounds and ioney amounts of oney between addition to y used prices subtraction to e when paying at efficient quantities of at efficient ting quantities of urchasing several and reliable		
	rs with up to 3 decimal place mbers with up to 3 decimal p				purchasing several items			
Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	
Unit 3 - Negative Numbers (2wks)Pupils represent a change story using addition and subtraction symbolsInterpret numbers greater than and less than zero in different contextsRead and write negative numbersExplain how the value of a number relates to its position from zeroIdentify and place neg. numbers on a number line Interpret sets of negative and positive numbers in a range of contextsUse their knowledge of positive and negative numbers to calculate intervalsExplain how negative numbers are used on a coordinate gridUse their knowledge of positive and negative numbers to interpret graphs			digit number by a single iber by a single-digit num umber by a single-digit n umber by a single-digit umber by a single-digit umber by a single-digit umber by a single-digit n	-digit number using pa mber using partitioning number using partition number using partition number using expande number using short mu number using short mu	and representations (one ng and representations (two ng d multiplication (no regroups) ltiplication (no regroups) d multiplication (regrouping ltiplication (regrouping ones to	ations Unit 4 - Short multiplication and (ctd)   ne Divide a three-digit number by a single-dig using partitioning and representations (no no remainders)   (two ' Stup using partitioning and representations (on no remainders)   Divide a three-digit number by a single-dig using partitioning and representations (on no remainders)   Divide a three-digit number by a single-dig using partitioning and representations (wi and remainders)   Divide a three-digit number by a single-dig using short division   Divide a three-digit number by a single-dig using short division (with exchanging and using short division (with exchanging and Solve short division problems accurately w		

Multiply a two-digit number by a single-digit number using short multiplication (regrouping tens to hundreds)		
Multiply a two-digit number by a single-digit number using both expanded and short multiplication		
(two regroups)		
Use estimation to support accurate calculation		
Multiply a three-digit number by a single-digit number using partitioning and representations		
Multiply a three-digit number by a single-digit number using partitioning		
Multiply a three-digit number by a single-digit number using expanded and short multiplication (no regroups)		
Multiply a three-digit number by a single-digit number using expanded and short multiplication (one regroup)		
Multiply a 3-digit number by a single-digit number using expanded and short multiplication		
(multiple regroups)		
Use estimation to support accurate calculation		
Divide a two-digit number by a single-digit number using partitioning and representations (no remainders, no exchanging)		
Divide a two-digit number by a single-digit number using partitioning and representations (with exchanging)		
Divide a two-digit number by a single-digit number using partitioning and representations (with		
exchanging and remainders) Divide a two digit number by a single digit number using short division (no exchanging no		
Divide a two-digit number by a single-digit number using short division (no exchanging, no remainders)		
Divide a two-digit number by a single-digit number using short division (with exchanging)		
Divide a two-digit number by a single-digit number using short division (with exchanging and		
remainders)		



## Spring Term- Year 5

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Unit 5 - Area and Scaling Explain what area is and can meas Explain what area is and can meas Explain how to make different sha Explain how to compare the area Measure the area of flat shapes an Calculate the area of flat shapes an Calculate the area of a rectangle u Calculate the area of a rectangle u Calculate the area of a rectangle u Calculate the area of rectilinear sh Use their knowledge of area to so Compare and describe lengths by Use their knowledge of multiplicar Compare and describe lengths by Use their knowledge of division to Compare and describe measurem Describe the changes in measurer Use their knowledge of multiplicar	were using counting as a str sure using counting as a str upes with the same area of different shapes rea using square centimetr rea using square metres using multiplication hapes live problems using their knowledge of d o solve comparison and cha ents by using their knowledge ents by using their knowledge	rategy (2) res multiplication and change problems division ange problems edge of multiplication age of multiplication a	and division (mass/cap and division (mass/cap nd division		Pupils explain the eff Explain the effect of Explain how to multi more non-zero digits Use their knowledge units of measure (let Use their knowledge units of measure (m Explain how to use k whole numbers (ten Explain how to use k whole numbers (hur Use their knowledge problems Explain the relations Explain the relations Explain how to use n Explain how to use n	multiplying and dividing a num iply and divide a number by 10 s) e of multiplication and division ngth) e of multiplication and division ass and capacity) shown multiplication facts and ths) e of multiplying decimal fraction ship between multiplying by 0 ship between multiplying by 0 nultiplying by 10 or 100 to mu he size of the multiplier to pre-	ng a number by 10, 100 and 1,000 (1) mber by 10, 100 and 1,000 (2) 0, 100 and 1,000 (first 'number' two or n by 10/100/1,000 to convert between n by 10/100/1,000 to convert between d unitising to multiply decimal fractions by d unitising to multiply decimal fractions by ons by whole numbers to solve measures 1 dividing by 10
Week 9	Week 10	١٨/	eek 11	Week 12	Week 13		

week 9	Week 10	Week 11	Week 12	Week 13	
Explain how to calculate the volume Explain the use of the commutative Explain the reasons for changing tw Explain what a factor is and how to Explain how to systematically find a them all Use a complete list of factors to exp Explain how to identify a prime num Explain how to identify a common f Explain how to identify a multiple o Use knowledge of properties of num	ge of contexts volume e of a cuboid volume to solve problems in a range of e of compound shapes and distributive laws when multiplyin ro-factor multiplication calculations to use arrays and multiplication/division ull factors of a number and how they know plain when a number is a square numb nber or a composite number factor or a prime factor of a number	g three or more numbers three-factor multiplications facts to find them now when they have found er ontexts	Termly Assessments - NFER	Revisit short multiplication and division	



## Summer Term- Year 5

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7			
Unit 8 - Fractions (6wks)     Explain the relationship between repeated addition of a proper fraction and multiplication of fractions (unit fractions)     Explain the relationship between repeated addition of a proper fraction and multiplication of fractions (non-unit fractions)     Multiply a proper fraction by a whole number (greater than a whole)     Multiply an improper fraction by a whole number (groduct is within a whole)     Multiply an improper fraction by a whole number (groduct is greater than a whole)     Multiply an inder dnumber by a whole number (groduct is greater than a whole)     Find a unit fraction of a quantity     Explain the relationship between finding a fraction of a quantity and multiplying a whole number by a unit fraction     Explain the relationship between finding a fraction of a quantity (internation of a quantity (internation solve problems     Find a non-unit fraction of a quantity (internat calculation)     Find a non-unit fraction of a non-unit fraction is known     Find a non-unit fraction of a non-unit fraction is known     Find the which when the size of a non-unit fraction is known     Find the unit fraction when the size of a non-unit fraction is known     Find the unit fraction is down and theorimators within equivalent fractions (1/5, 1/3 and equivalent)     Use representations to describe and compare two fractions (Duantity contractions (1/5, 1/3 and equivalent)     Use representations to describe and compare two									
Week 8	Week 9	Week 10	Week 11	Week 12	Week 13				
Apply memorised unit of measure Convert from and to fra larger units Derive common conver Carry out conversions t Solve measures problet Understand and use ap units and common imp Convert between miles	sions to convert between units of measure onversions to convert between units of ction and decimal fraction quantities of sions over 1 hat correspond to 100 parts ns involving different units proximate equivalences between metric erial units such as inches, pounds and pints	Use the terms acute, of rotation with relation t Use a unit called degre Estimate the size of any	gles where there is a clear visual di btuse and reflex when describing th	he size of angles or amount	of				



## Year 5 Yearly Overview (Linked to NCETM Curriculum Prioritisation Materials)

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	<u>NCETM</u> <u>Unit 1</u> Decimal Fractions				Un	it 2 ney	<u>NCE</u> <u>Uni</u> Nega Num	i <u>t 3</u> ative	<u>NCETM</u> <u>Unit 4</u> Short multiplication and short division			Assessment	NCETM Unit 4 ctd		
Spring	<u>NCETM</u> <u>Unit 5</u> Area and Scaling					NCETM Unit 6 Calcuating with decimal Facto fractions			NCETM Unit 7 actors, multiples and primes		Assessment	Revisit Unit 4			
Summer	<u>NCETM</u> <u>Unit 8</u> Fractions				Assessment	Un	ETM iit 9 ing units	<u>Unit 10</u>			Statistics				
Notes: Roman Numerals a context such as scie				g data' is n	ot covered	d by the pr	ioritisatior	n materials	and ideal	ly can be a	ddressed in	the found	ation subje	ects in a re	levant