

Autumn 1		Autumn 2		
Week 1-2	Week 3-7	Week 8-9	Week 10-11	Week 12-14
<p>Year 4: Numbers to 10,000</p> <p>https://www.ncetm.org.uk/classroom-resources/cp-year-4-unit-2-numbers-to-10-000/</p>	<p>Decimal fractions</p> <p>https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-1-decimal-fractions/</p>	<p>Money</p> <p>https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-2-money/</p>	<p>Negative numbers</p> <p>https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-3-negative-numbers/</p>	<p>Angles</p> <p>https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-10-angles/</p>
<ul style="list-style-type: none"> Recap rounding strategies. Round four-digit numbers to the nearest ten, hundred, and thousand. 	<ul style="list-style-type: none"> Identify, describe, and represent tenths and hundredths as parts of a whole and as decimal fractions. Count in tenths and hundredths in different ways. Read, write, compare, and order decimal numbers with up to 3 decimal places. Partition and compose decimal numbers in different ways (additively and multiplicatively). Calculate with decimal numbers within and across one whole and one tenth. Use column and mental methods for addition and subtraction with decimals. Solve problems involving decimal place value in various contexts. Round decimals with tenths or hundredths to the nearest whole number or tenth. Use visual representations to support rounding. Convert and compare metres and centimetres using decimal place value knowledge. 	<ul style="list-style-type: none"> Represent and explain amounts in pounds and pence. Compare and convert between pounds and pence. Add and subtract money efficiently using known strategies. Calculate change when paying with whole pounds or notes. Choose and explain efficient strategies for money calculations. 	<ul style="list-style-type: none"> Understand that positive and negative numbers represent change (e.g. gains and losses). Read, write, and interpret numbers above and below zero in different contexts. Explain how a number's value relates to its position from zero. Identify and place negative numbers on a number line. Calculate intervals between positive and negative numbers. Interpret and use negative numbers on coordinate grids and graphs. 	<ul style="list-style-type: none"> Compare angles visually when differences are clear. Use terms like acute, obtuse, reflex, and right angle to describe angles and rotations. Understand degrees (°) as the standard unit for measuring angles. Estimate angle sizes using angle sets. Measure angles accurately using a protractor.

Spring 1		Spring 2	
Weeks 1-4		Week 5-9	Week 10-11
Short multiplication and short division https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-4-short-multiplication-and-short-division/		Area and scaling https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-5-area-and-scaling/	Converting measure https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-9-converting-units/
<ul style="list-style-type: none"> ● Multiply two- or three-digit numbers by a single-digit number using: <ul style="list-style-type: none"> - Partitioning and visual representations - Expanded multiplication (with or without regrouping) - Short multiplication (with or without regrouping) ● Use estimation to support accurate multiplication. ● Divide two- or three-digit numbers by a single-digit number using: <ul style="list-style-type: none"> - Partitioning and visual representations (with or without exchanging and remainders) - Short division (with or without exchanging and remainders) ● Use efficient strategies to solve short division problems, including when the hundreds digit is smaller than the divisor. 		<ul style="list-style-type: none"> ● Understand what area is and measure it using counting strategies. ● Measure area using square centimeters and square meters. ● Calculate the area of rectangles and rectilinear shapes using multiplication. ● Make and compare shapes with the same area. ● Use knowledge of area to solve problems. ● Compare and describe lengths, mass, capacity, and time using multiplication and division. ● Describe and explain changes in measurements using multiplication and division. ● Solve comparison and change problems using multiplication and division. 	<ul style="list-style-type: none"> ● Convert between larger and smaller metric units using memorised whole-number conversions. ● Convert between fraction and decimal quantities of larger units. ● Derive and apply common conversions greater than 1. ● Perform conversions involving 100 parts (e.g. centimeters to meters, grams to kilograms). ● Solve problems involving different units of measure. ● Solve problems involving time conversions. ● Use approximate equivalences between metric and common imperial units (e.g. inches, pounds, pints). ● Convert between miles and kilometers.

Summer 1		Summer 2
Week 1-3	Week 4-6	Week 7-13
Calculate with decimal fractions https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-6-calculating-with-decimal-fractions/	Factors, multiples and primes https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-7-factors-multiples-and-primes/	Fractions https://www.ncetm.org.uk/classroom-resources/cp-year-5-unit-8-fractions/
<ul style="list-style-type: none"> ● Multiply and divide numbers by 10, 100, and 1,000. ● Understand the relationship between multiplying by 0.1 and dividing by 10, and between multiplying by 0.01 and dividing by 100. ● Use multiplying by 10 or 100 to multiply or divide decimal fractions by one-digit numbers. ● Use multiplication and division by 10, 100, and 1,000 to convert between units of length, mass, and capacity. ● Use known multiplication facts and unitising to multiply decimal fractions (tenths and hundredths) by whole numbers. ● Solve measurement problems involving multiplication of decimal fractions by whole numbers. ● Use the size of the multiplier to predict the size of the product compared to the multiplicand. 	<ul style="list-style-type: none"> ● Define volume using real-life contexts. ● Identify and describe units used to measure volume. ● Calculate the volume of cuboids and compound shapes. ● Apply volume calculations to solve problems. ● Understand cube numbers and how they relate to volume. ● Use the commutative and distributive laws when multiplying three or more numbers. ● Recognize when and why to convert two-factor multiplication into three-factor multiplication. ● Define factors and use arrays or known facts to find them. ● Systematically find all factors of a number and explain how to know when the list is complete. ● Use factor lists to identify square numbers. ● Identify prime and composite numbers. ● Identify common and prime factors, as well as multiples and common multiples. ● Use knowledge of number properties to solve problems in various contexts. 	<ul style="list-style-type: none"> ● Explain how repeated addition relates to multiplying fractions (unit and non-unit). ● Describe how multiplying a whole number by a unit fraction is related to division. ● Understand that finding a fraction of a quantity is equivalent to multiplying a whole number by a fraction. ● Distinguish between multiplication as scaling down and as repeated addition. ● Multiply proper, improper, and mixed fractions by whole numbers (within and beyond a whole). ● Multiply whole numbers by proper fractions. ● Find unit and non-unit fractions of a quantity (mentally and in writing). ● Use knowledge of multiplying by unit fractions to solve problems. ● Find the whole when given a unit or non-unit fraction. ● Find the unit fraction when given a non-unit fraction. ● Use visual and contextual representations (e.g., pouring) to compare fractions. ● Explore and apply equivalent fractions to solve problems. ● Explain and represent how to divide 1 into equal parts. ● Use common equivalents to compare fractions and decimals. ● Solve problems involving fraction-decimal conversions in various contexts.