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| **Maths Home Learning** | | | |
| **Year 4 Overview** | | | |
| **Topic** | **Learning Objectives:** | **Suggested Activities** | **Further Learning Links** |
| Week 1  Counting | * count in multiples of 6, 7, 9, 25 and 1000 * find 1000 more or less than a given number * count backwards through zero to include negative numbers * recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) * order and compare numbers beyond 1000 * round any number to the nearest 10, 100 or 1000 | Yes/No  The Biggest Number  Thousands, hundreds, tens and ones  Vocabulary Detective | <https://classroom.thenational.academy/lessons/to-investigate-the-place-value-of-different-number-systems> (Recognise the place value)  <https://www.bbc.co.uk/bitesize/articles/zkmv382>  (Negative numbers)  <https://www.bbc.co.uk/bitesize/articles/zjf492p>  (Rounding) |
| Week 2  Addition + Subtraction | * add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate * estimate and use inverse operations to check answers to a calculation * recall multiplication and division facts for multiplication tables up to 12 × 12 * multiply two-digit and three-digit numbers by a one-digit number using formal written layout | Multiplication Bingo  Countdown  Bang, Bang!  Multiplication Hopscotch  Vocabulary Detective | <https://classroom.thenational.academy/lessons/to-investigate-number-patterns>  <https://www.bbc.co.uk/bitesize/articles/zkm6dp3> (add and subtract money problems)  <https://www.bbc.co.uk/bitesize/articles/zfgm6v4>  (Multiply a 2D x 1D)  <https://www.bbc.co.uk/bitesize/articles/zjy2xyc>  (Multiply a 3D x 1D) |
| Week 3  Fractions and decimals | * recognise and show, using diagrams, families of common equivalent fractions * count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. * add and subtract fractions with the same denominator * recognise and write decimal equivalents of any number of tenths or hundredths eg 6/10 = 0.6 | Lego Fractions  Fraction Pictionary  Fractions and decimals around us  Vocabulary Detective | <https://www.bbc.co.uk/bitesize/articles/zb8wqp3> (Equivalent fractions) |
| Week 4  Measure | * convert between different units of measure eg kilometre to metre; hour to minute * estimate, compare and calculate different measures, including money in pounds and pence | Scavenger Hunt  Money, Money, Money!  Home Shopping  Vocabulary Detective | * <https://classroom.thenational.academy/lessons/measures-converting-between-mm-and-cm> * <https://classroom.thenational.academy/lessons/measures-converting-between-cm-and-m> * <https://classroom.thenational.academy/lessons/measures-money-coin-purse-challenge> * <https://classroom.thenational.academy/lessons/measures-money-buying-fruit> |
| Week 5  Time | * tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks * estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours * use vocabulary such as o’clock, a.m./p.m., morning, afternoon, noon and midnight * know the number of seconds in a minute and the number of days in each month, year and leap year | Chalk Clock  Timetables  Vocabulary Detective | * <https://classroom.thenational.academy/lessons/measures-time-marathon-training> |