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| **Maths Home Learning** |
| **Year 4 Overview** |
| **Topic** | **Learning Objectives:** | **Suggested Activities** | **Further Learning Links** |
| Week 1Counting | * 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/NoThe Biggest NumberThousands, hundreds, tens and onesVocabulary 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 2Addition + 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 BingoCountdownBang, Bang!Multiplication HopscotchVocabulary 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 3Fractions 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 FractionsFraction PictionaryFractions and decimals around usVocabulary Detective | <https://www.bbc.co.uk/bitesize/articles/zb8wqp3> (Equivalent fractions) |
| Week 4Measure | * 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 HuntMoney, Money, Money!Home ShoppingVocabulary 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>
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| Week 5Time | * 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 ClockTimetablesVocabulary Detective | * <https://classroom.thenational.academy/lessons/measures-time-marathon-training>
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