

Measures and Money

| Year 1 | Year 2 | Key Stage 2 - Range | Year 3 | Year 4 | Year 5 | Year 6 |
|--|---|--|---|---|---|--|
| <p>Measure and order objects using direct comparison.</p> <p>Use uniform non-standard units to measure.</p> <p>Begin to use some standard units and measuring equipment in practical contexts e.g. metre sticks, litre jugs.</p> | <p>Use everyday non-standard and standard units to measure length, mass and capacity.</p> <p>Use measuring equipment.</p> <p>Know the relationship between metres and centimetres, kilograms and grams, litres and millilitres.</p> <p>Read a simple scale to the nearest labelled division, including using a ruler to draw and measure lines to the nearest centimetre.</p> | <p>Understand and use measures:</p> <p>Choose appropriate standard units of length, mass, volume and capacity, temperature, area and time</p> <p>Understand the relationships between units, and convert one metric unit to another</p> <p>Know the rough metric equivalents of imperial units still in daily use</p> <p>Interpret numbers on scales and read scales to an increasing degree of accuracy; understand and use scale in simple maps and drawings.</p> <p>Draw and measure angles</p> <p>Find perimeters of simple shapes; find areas and volumes by counting and other practical methods</p> | <p>Know the relationships between kilometres and metres, metres and centimetres, kilograms and grams, litres and millilitres.</p> <p>Read scales to the nearest division (labelled or unlabelled) including using a ruler to draw and measure lines to the nearest half centimetre.</p> | <p>Use standard units of length, capacity and mass and use suitable equipment to estimate and measure</p> <p>Know and use the relationships between familiar units of length, mass and capacity and suggest suitable units.</p> <p>Read measuring scales to the nearest division.</p> <p>Find perimeters of shapes and areas by counting squares.</p> | <p>Use, read and write standard metric units (km, m, cm, kg, g, l, ml) including their abbreviations and relationship between them.</p> <p>Convert larger to smaller units.</p> <p>Read measuring scales between divisions. Record estimates and readings from scales to a suitable degree of accuracy.</p> <p>Understand area measured in square centimetres (cm²); understand and use the formula in words 'length x breadth' for the area of a rectangle.</p> <p>Find volumes by counting cubes</p> | <p>Choose and use suitable units and instruments, reading, with appropriate accuracy, numbers on a range of measuring instruments.</p> <p>Convert large metric units to smaller units and vice versa.</p> <p>Read measuring scales, converting the unit to an equivalent metric unit.</p> <p>Read metric and imperial units from measuring scales that show both units.</p> <p>Calculate the perimeter and area of simple compound shapes that can be split into rectangles.</p> |
| <p>Know 1 week = 7 days and 1 day = 24 hours. Know the days of the week. Order familiar events.</p> <p>Read the time to the hour and half hour on analogue clock.</p> <p>Make estimates and check using simple timers.</p> | <p>Know 1 hour = 60 mins and 1 minute = 60 secs. Know the months and seasons of the year.</p> <p>Read time to the half or quarter hour on analogue and digital clock.</p> | <p>Read times on analogue and digital clocks; use timetables and convert between the 12- and 24-hour clocks; calculate time differences</p> | <p>Know 1 year = 365 days or 52 weeks or 12 months. Write dates correctly.</p> <p>Read time to five minutes on analogue and digital clocks.</p> <p>Use simple timers in practical situations.</p> | <p>Know 1 millennium = 1000 years and 1 century = 100 years.</p> <p>Read calendars and timetables.</p> <p>Read time (analogue to nearest minute and 12 hour digital). Use am/pm and digital notation.</p> <p>Estimate/check times using seconds, minutes, hours.</p> | <p>Know 1 decade = 10 years, 1 leap year = 366 days.</p> <p>Read and use timetables.</p> <p>Read to the nearest minute on 24 hour digital clock.</p> <p>Use clocks, calendars and timetables to solve word problems involving time.</p> | <p>Read world time charts. Understand different times around the world.</p> <p>Solve word problems involving time.</p> |
| <p>Be aware of the values of different coins</p> <p>Find totals and give change to 10p.</p> <p>Solve problems using money in practical contexts.</p> | <p>Exchange coins for equivalent values.</p> <p>Find totals and give change from multiples of 10p.</p> <p>Begin to use £.p notation.</p> <p>Use mental strategies to solve money problems.</p> | <p>Understand and use money:</p> <p>Know and use the conventional way to record money.</p> <p>Find approximate solutions to, and use the four operations to solve, problems involving money</p> <p>Understand a calculator display in relation to money e.g. that a display of 21.4 (pounds) means £21.40</p> <p>Be aware of other currencies</p> | <p>Recognise value of £5, £10 and £20 notes.</p> <p>Find totals and give change from £1.</p> <p>Use decimal notation in recording money.</p> <p>Solve simple word problems involving money.</p> | <p>Convert pounds to pence and vice versa.</p> <p>Find totals and give change from £20.</p> <p>Choose appropriate operations to solve problems involving money.</p> | <p>Convert foreign currency.</p> <p>Find totals and give change from £100.</p> <p>Use four operations to solve two-step problems involving money</p> | <p>Make simple conversions of pounds to foreign currency.</p> <p>Calculate simple percentages and fractions of money</p> |