

| COMPARING AND ESTIMATING  |  |  |  |  |   |  |  |
|---|--|--|--|--|---|--|--|
| Year 1  | Year 2   | Year 3   | Year 4   | Year 5   | Year 6  |  |  |
| compare, describe and solve practical problems for:  * lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half]  * mass/weight [e.g. heavy/light, heavier than, lighter than]  * capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter]  * time [e.g. quicker, slower, earlier, later] | compare and order lengths, mass, volume/capacity and record the results using >, < and = |  | estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring) | calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes (also included in measuring) estimate volume (e.g. using 1 cm³ blocks to build cubes and cuboids) and capacity (e.g. using water) | calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³. |  |  |
| sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]  | compare and sequence intervals of time   | compare durations of events, for example to calculate the time taken by particular events or tasks  estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, |  |  |   |  |  |











|   |                           | hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Telling the Time)   |  |  |  |   |   |  |  |   |
|---|---------------------------|---|--|--|--|---|---|--|--|---|
|   |                           |   | mariigiit                                  | · 11   | RING and CA                                    | ,   | ING   |  |  |   |
| Year 1  |                           | Year 2  |  | Year 3   |  |   | Year 4  | Year   | 5  | Year 6  |
| measure and beging the following:  * lengths and head mass/weight  * capacity and mass/weight  * time (hours, misseconds) | eights<br>volume          | choose and use appropriate sunits to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperation (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers at measuring vessels | e<br>n<br>a <b>ture</b><br>ne              | measure, comp<br>subtract: lengt<br>(m/cm/mm); m<br>volume/capac             | hs<br>ass (kg/g);<br>ity (I/mI)<br>erimeter of | measur<br>money<br>pence<br>(appear<br>Compar<br>measur<br>the per<br>rectiline<br>(includi | e and calculate<br>imeter of a<br>ear figure<br>ing squares) in | use all four operations solve problems in measure (e.g. len volume, money) decimal notation scaling.  measure and cale perimeter of come rectilinear shapes centimetres and rectilinear shapes and rectilinear shapes and rectilinear shapes and rectilinear shapes centimetres and rectilinear shapes are the shapes and rectilinear shapes are the shapes | volving gth, mass, using including culate the aposite s in | solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (appears also in Converting)  recognise that shapes with the same areas can have different perimeters and vice versa |
|   |                           |   |  | MEASUE   | RING and CA                                    |   | tres and metres   |  |  |   |
| Year 1  | Year 1 Year 2             |   |  | Year 3   | MEASURING and CALCULATING  3 Year 4            |   |   | <br>ar 5   |  | Year 6  |
| recognise and know the value of different denominations of coins and  | (£) and pe<br>make a part | nd use symbols for pounds nce (p); combine amounts to ticular value nt combinations of coins that   | add and<br>amounts<br>give cha<br>both £ a | d subtract<br>s of <b>money</b> to<br>ange, using<br>and p in<br>al contexts |  |   |   |  |  |   |











| SC CC of   | qual the same amounts of money  olve simple problems in a practical ontext involving addition and subtract f money of the same unit, including iving change | ion                                       |                      |                            |   |   |   |   |
|--|---|---|----------------------|----------------------------|---|---|---|---|
|  |   |   |                      | r shapes<br>ing squares    | calculate and comsquares and rectausing standard uncentimetres (cm²) and encomposition of irregular shapes and cube number notation for square cubed (³) (copied from Multi Division) | angles including nits, square and square astimate the area as a square numbers as, and the area and and and and area and and area and and area and and and area and and and area and and and area and and area and and and area and and and area area and and and and area and and area and and area and and area area and and and area and and area area and area and area and area and area and area and area area. | triangles  calculate, est cubes and cuincluding cut metres (m³), a [e.g. mm³ and recognise wh | imate and compare volume of uboids using standard units, pic centimetres (cm³) and cubic and extending to other units d km³].  en it is possible to use area and volume of shapes |
| \/ 1   | TELLING THE TIME  |   |                      |                            |   |   |   |   |
| Year 1   | Year 2  | Year 3                                    | as from              |                            | red convert time  | Year  | 5   | Year 6  |
| tell the time to the hole half past the hour an the hands on a clock show these times. | nd draw   minutes, including quarte   | an analogue clock, i<br>using Roman numer | ncluding<br>als from | between ana<br>12 and 24-h | nd convert time<br>logue and digital<br>our clocks<br>o in Converting)  |   |   |   |











|                              | show these times.                 | 24-hour clocks   |                              |                               |                               |
|------------------------------|-----------------------------------|--|------------------------------|-------------------------------|-------------------------------|
| recognise and use language   | know the number of minutes        | estimate and read  |                              |                               |                               |
| relating to dates, including | in an hour and the number of      | time with increasing accuracy                            |                              |                               |                               |
| days of the week, weeks,     | hours in a day.                   | to the nearest minute; record                            |                              |                               |                               |
| months and years             | (appears also in Converting)      | and compare time in terms of                             |                              |                               |                               |
|                              |                                   | seconds, minutes, hours and                              |                              |                               |                               |
|                              |                                   | o'clock; use vocabulary such                             |                              |                               |                               |
|                              |                                   | as a.m./p.m., morning,                                   |                              |                               |                               |
|                              |                                   | afternoon, noon and midnight                             |                              |                               |                               |
|                              |                                   | (appears also in Comparing                               |                              |                               |                               |
|                              |                                   | and Estimating)  |                              |                               |                               |
|                              |                                   |  | solve problems involving     | solve problems involving      |                               |
|                              |                                   |  | converting from hours to     | converting between units of   |                               |
|                              |                                   |  | minutes; minutes to seconds; | time                          |                               |
|                              |                                   |  | years to months; weeks to    |                               |                               |
|                              |                                   |  | days                         |                               |                               |
|                              |                                   |  | (appears also in Converting) |                               |                               |
|                              |                                   |  | RTING                        |                               |                               |
| Year 1                       | Year 2                            | Year 3   | Year 4                       | Year 5                        | Year 6                        |
|                              | now the number of minutes in an   | know the number of seconds in a minute and the number of | convert between different    | convert between different     | use, read, write and convert  |
| h                            |                                   |  | units of measure (e.g.       | units of metric measure (e.g. | between standard units,       |
| 3                            |                                   | days in each month, year and                             | kilometre to metre; hour to  | kilometre and metre;          | converting measurements of    |
| (8                           | appears also in Telling the Time) | leap year  | minute)                      | centimetre and metre;         | length, mass, volume and time |
|                              |                                   |  |                              | centimetre and millimetre;    | from a smaller unit of        |
|                              |                                   |  |                              | gram and kilogram; litre and  | measure to a larger unit, and |
|                              |                                   |  |                              | millilitre)                   | vice versa, using decimal     |











|  |  |   | notation to up to three<br>decimal places  |
|--|--|---|--|
|  | read, write and convert time<br>between analogue and digital<br>12 and 24-hour clocks<br>(appears also in Converting)                            | solve problems involving converting between units of time   | solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (appears also in Measuring and Calculating) |
|  | solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Telling the Time) | understand and use equivalences between metric units and common imperial units such as inches, pounds and pints | convert between miles and kilometres   |







