



Knowledge and Progression in Measure

| Early Learning Goals | <p>Can order two or three items by length, height, weight or capacity and solve practical problems involving these measures. Use everyday language related to time and money</p> <p>Can order and sequence familiar events and measure short periods of time in simple ways. Estimates, measures, weighs and compares objects using non- standard measures</p> | | | | | |
|----------------------|--|---|---|--|---|---|
| Year Group | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Measures | <p>Compare, describe and solve practical problems for: length/height, weight/mass, capacity/volume & time through comparison, like long/short, longer/shorter, heavier/ lighter/ quicker, slower, earlier, later</p> <p>Measure and begin to record length/height, weight/mass, capacity/volume using non-standard units</p> | <p>In practical contexts, choose and use appropriate standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>To know 100 cm = 1m, 1000g = 1kg, 1000ml= 1L</p> <p>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>To know basic units of measure e.g. 1kg = 1000g 50 cm = ½ metre, 500g = ½ kg, 500ml = ½ litre and relate to fractions and division</p> | <p>measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p> <p>To be able to use simple scaling in the context of measures and problem solving</p> <p>To know simple conversions between grams and kg, ml and l, m and km</p> <p>e.g. ¼ of a kg = 250g ½ of a kg = 500g ¾ of a kg = 750 g 1kg = 1000g</p> | <p>Convert between different units of measure e.g. km to metres</p> <p>estimate, compare and calculate different measures, including money in pounds and pence</p> | <p>Convert between different units of metric measure</p> <p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds</p> <p>Estimate volume and capacity</p> | <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p> <p>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places</p> <p>convert between miles and kilometres</p> <p>Understand and use equivalences between other metric and imperial units e.g. pints and litres</p> |

| | | | | | | |
|--|---|---|---|--|--|--|
| <p style="text-align: center;">Time</p> | <p>Sequence events in chronological order using language recognise and use language relating to dates, including days of the week, weeks, months and years Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</p> | <p>Compare and sequence intervals of time Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times Know the number of minutes in an hour and the number of hours in a day</p> | <p>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 compare durations of events</p> | <p>Convert between different units of measure (e.g. Hours to minutes) Read, write and convert time between analogue and digital 12- and 24-hour clocks Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p> | <p>Solve problems involving converting between units of time e.g. hours to weeks</p> | <p>Convert between standard units, of time from a smaller unit of measure to a much larger unit, and vice versa,</p> |
| <p style="text-align: center;">Key Vocabulary</p> | <p>Time, days of the week, seasons, day, week, month, year, weekend, birthday, holiday, morning, afternoon, evening, night, midnight, bedtime, dinnertime, playtime, today, yesterday, tomorrow Before, after, next, last, now, soon, early, late, quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest Takes longer, takes less time, hour,</p> | <p>Quarter past/to, metres, kilometres, grams, kilograms, millimetres, litres, temperature, degrees</p> | <p>Convert</p> | <p>Volume, imperial units, metric units</p> | | |

| | | | | | | |
|--|---|--|--|--|--|--|
| | <p>o'clock, half past, clock, watch, hands, how long ago?, How long will it be to ... ?, How long will it take to ... ?, How often?, always, never, often, sometimes, usually, once, twice, first, second, third, etc., estimate, close to, about the same as, just over, just under, too many, too few, not enough, enough</p> <p>Length, width, height, depth, long, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highest, Low, wide, narrow, deep, shallow, thick, thin, far, near, close, metre, ruler, metre stick</p> | | | | | |
|--|---|--|--|--|--|--|