



Links to other subject units this term	
These are stand-alone units and do not link directly to any other units studied this term	
Prior Learning	
<p>This work has been covered in Year 1:</p> <p>Money: unitise, recognise coins, recognise notes, count coins</p> <p>Multiplication and Division: count in 2s, 5s and 10s, recognise and add equal groups, make arrays, make doubles, make equal groups by grouping and then sharing</p> <p>Length and Height: compare lengths and heights, measure length using objects, measure length in cm</p> <p>Mass and Volume: heavier and lighter, measure and compare mass, full and empty, compare volume, measure and compare capacity</p>	
Key vocabulary for this unit	
<p>Money: money, coin, penny, pence, pound spend, change, cost the same as how much ...? how many ...? total</p>	<p>Multiplication and Division: multiplication, multiply, multiplied by, multiple, groups of, times, repeated addition division, dividing, divide, divided by, divided into grouping, sharing, group, share, share equally left, left over equal groups of doubling, halving, array, row, column number patterns, multiplication table, multiplication fact, division fact</p>
<p>Length and Height: centimetre, metre length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ... and so on</p>	<p>Mass, Capacity and Temperature: measure, measurement, size, compare, estimate temperature, degree</p>

<p>longest, shortest, tallest, highest ... and so on far, further, furthest, near, close ruler, metre stick, tape measure</p>	<p>kilogram, half kilogram, gram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales litre, half litre, millilitre capacity volume full empty more than less than half full</p>
<p>Learning Sequence</p>	
<p>Money</p>	<ul style="list-style-type: none"> • Count money in pounds and pence (notes and coins) • Choose notes and coins • Make the same amount in a variety of different ways (e.g. make a pound) • Compare amounts of money • Calculate with money • Find change • Problem solving with money (one and two-step problems)
<p>Multiplication and Division</p>	<ul style="list-style-type: none"> • Recognise, make and add equal groups (introduce the multiplication symbol) • Create multiplication sentences • Use arrays • Make equal groups by grouping and sharing • The 2 times table, including dividing by 2 • Doubling and halving • Odd and even numbers • The 10 times table, including dividing by 10 • The 5 times table, including dividing by 5
<p>Length and Height</p>	<ul style="list-style-type: none"> • Measure in centimeters • Measure in metres • Compare lengths and heights • Order lengths and heights • Four operations with lengths and heights
<p>Mass, Capacity and Temperature</p>	<ul style="list-style-type: none"> • Compare mass • Measure in grams and kilograms • Four operations with mass

- Compare volume and capacity
- Measure in millilitres and litres
- Four operations with volume and capacity

Assessment milestones

Money:

- Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- Find different combinations of coins that equal the same amounts of money
- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

Division and Multiplication:

- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs
- Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
- Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Length and Height:

- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) using rulers
- Compare and order lengths and record the results using $>$, $<$ and $=$

Mass, Capacity and Temperature:

- Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, scales, thermometers and measuring vessels
- Compare and order mass, volume/capacity and record the results using $>$, $<$ and $=$