

# Volume, Capacity, Fractions and Time

## Lesson sequence

Measure capacity and volume in millilitres and litres  
 Add and subtract capacity and volume  
 Add and subtract fractions  
 Unit and non-unit fractions of a set of objects  
 Convert pounds and pence  
 Add and subtract money  
 Find change  
 Roman numerals to 12  
 Tell the time to 5 minutes

## Vocabulary revision

- *One third, two thirds, three thirds*
- *One tenth*
- *inverse*
- *roman numeral*
- *Equal parts*
- *Fraction*
- *One whole*
- *Half, Quarter*
- *Numerator, Denominator*
- *Noon*
- *Balance*
- *Scales*
- *Heavy, Light*

## Sticky learning

### New Knowledge

- *To know that am means the morning*
- *To know that pm means the afternoon*
- *To know the roman numerals I=1, V=5 and X=10*
- *To recognise fractions of a discrete set of objects*
- *To recognise some equivalent fractions with small denominators using diagrams*
- *To know that we use l/ml to measure capacity*

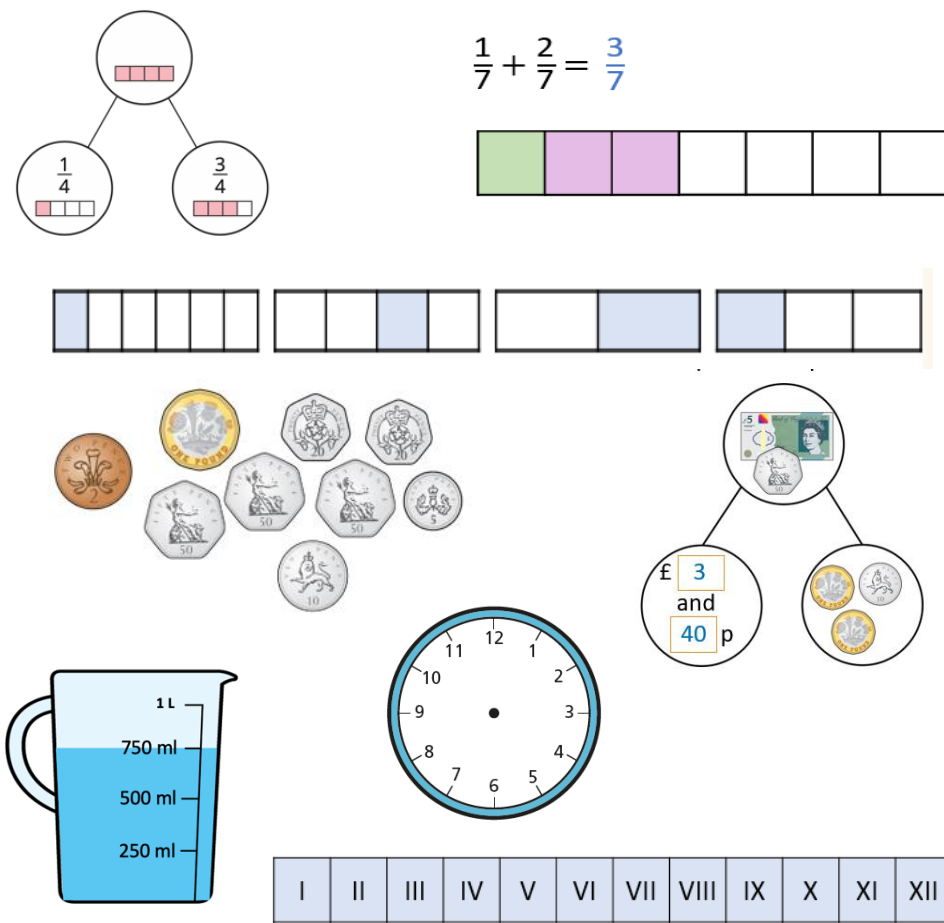
### New Skills

- *To add and subtract fractions with the same denominator*
- *To estimate and read time with increasing accuracy to the nearest minute*
- *To add and subtract amounts of money to give change, using both £ and p in practical contexts*
- *To record £ and p separately*
- *To tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks*
- *To measure, compare, add and subtract volume/capacity (l/ml)*

## New vocabulary I will learn

- *Equivalence*
  - *Volume*
  - *Mass*
- *Capacity*
  - *Unit*
- *Non unit*
- *Am, pm*

## Pictorial representations



## Concept Links / Prior Knowledge

- To know the  $<$  sign means less than
- To know the  $>$  sign means greater than
- To know different terminology for addition such as put together, add, altogether, total, more than
- To know different terminology for subtractions such as take away, distance between, difference between and less than
- To know that a half is one of two equal parts of an object, shape or quantity
- To know that a quarter is one of four equal parts of an object, shape or quantity
- To know that a fraction is splitting a whole (number/shape etc.) into parts
- To know that mass is how heavy something is
- To know words to describe mass/weight such as heavy/light, heavier than, lighter than
- To know that capacity/volume is the amount of liquid in a container
- To know words to describe capacity and volume such as full/empty, more than, less than, half, half full, quarter
- To know the symbols for pounds (£) and pence (p)
- To tell the time to five minutes, including quarter past/to the hour
- To recognise and name fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{3}{4}$  of a length, shape, set of objects or quantity