

Preparation

Lesson 1: prepare a poster of metric abbreviations and conversions as a classroom resource

Lesson 3: copy 'Inch by inch' for each child

Lesson 4: enlarge 'European holiday' or have it available for display from the CD-ROM; prepare a copy for each child

Lesson 5: copy 'Areas' for each pair of children

You will need**Photocopiable sheets**

'Inch by inch'; 'European holiday'; 'Areas'

Equipment

Individual whiteboards; rulers; tape measures; trundle wheels; weighing scales; jug; plastic cups; calculators; place value charts; metric abbreviations and conversions poster

Further practice**Photocopiable sheets**

'New measures'

General resources

Interactive activity 'Perimeter and area'

Oral and mental starters suggested for week 5

See the bank of starters on pages 125, 126, 164 and 165. Oral and mental starters are also on the CD-ROM.

31 Multiplication rounds

36 Conversions

43 Target 100

47 Rounding decimals

52 Recording metric units

Overview of progression

At the start of the week the children will be reading, writing and converting between standard units of measurement. They will be converting measurements of length, mass and volume from a smaller unit to a larger unit, and vice versa. They will then apply this to real-life problems involving distance. At the end of the week they will develop their skills in finding the areas of triangles and parallelograms, as well as looking at calculating volume.

Watch out for

Children will have had some understanding about converting units of measure, but are sometimes confused by terms such as *milli* and *centi*. It is important that they have a real understanding of the sizes of units so that they can estimate and visualise the measurements. This will help to avoid or overcome confusion with the place value of units within measures.

Creative context

There are numerous opportunities to develop the creative context, especially with global education when children may be looking at different currencies. In practical situations, children may often come across mixed use of metric and imperial measures and need to be able to convert them easily, for example if planning a planting area or decorating their bedroom, or planning a holiday or excursion and exploring journey times and distances.

Vocabulary

about, approximately, centilitre (cl), centimetre (cm), foot (ft), estimate, gram (g), inch (in), kilogram (kg), kilometre (km), litre (l), measure, metre (m), mile, millilitre (ml), millimetre (mm), scale, table, tonne (t), yard (yd)