Appendix 5: Resources

Equipment

The lists below show all the mathematical equipment and everyday materials required in the teaching activities.

There is an assumption that regular classroom stationery, such as paper (including squared paper), felt tip pens, pencils, labels, sticky notes and whiteboards with dry wipe pens will be available.

Mathematical equipment	**Everyday materials**
Cubes	Small counting items, cars, animals, etc
Counters	Food items, such as apples, tangerines, biscuits
Beads	Hoops, balls, beanbags
Money, including notes	Small and large bricks
Number lines to 30/100	Cloth
Wipe-clean number line	Jars, boxes, pots, jugs, beakers
Floor or playground number line	Tins and tin tray
Number track	Draught pieces
Bead string	Game board, such as Ludo
Counting stick	Magnet and paper clips
Small 100-square	String, ribbon
Wipe-clean 100-square	Paper plates
Large 100-square with removable numbers	Cups, plates spoons
Dominoes	Tiddlywinks game
Large foam number tiles	'Eggs' (ping pong balls) and egg boxes
Dice	Coat hanger and pegs
Calculator	Cloth bags to hold cards
Place value (arrow) cards	Purses
Wipe-clean place value board	Paper bags
Abacus	Small character toys, for example astronauts
Bundles of straws	Fish shapes
Base 10 equipment	Framed picture
Cuisenaire or other rods	Pairs of socks/gloves
One/two-minute timer	Lolly sticks
Plastic tocker timers	Marbles
Sand timers	Sand tray
Stopwatch	Mirror
Large digital clock	Finger puppets
Teaching clock (analogue)	Construction bricks with pairs of prongs
Metre rulers	Items for rewards

Mathematical equipment *cont.*	
Measuring tape	
Weights	
Balance scales	
2-D shapes	
3-D shapes	
Straight-sided clear containers/ measuring cylinders	
Plastic or other fraction pieces	
Sorting circles	

Suggested Interactive Teaching Programs (ITPs)

Interactive Teaching Programs for teaching calculations (downloadable from the CD-ROM, and the latest versions from the Primary National Strategy website www.standards.dfes.gov.uk/primary).

The list can be added to as new programs become available.

Addition, subtraction and place value	**Multiplication and division**
Difference Uses a number line to find difference	*Number grid* Multiples shown on a 100-square
Number line Addition and difference on a number line	*Grouping* Division on a number line
Place value Hundreds, tens and units on place value cards	*Multiplication grid* Grid method of multiplying
Counting on and back Simulates a 100-bead string	*Division grid* Long division
Number facts Addition and subtraction number sentences	*Remainders after division* Gives remainder as a number or a fraction
Ordering numbers Relating counters to a number line	*Multiplication facts* Multiplication as repeated addition
Twenty cards Sequences	*Moving digits* Multiplying and dividing by 10 and 100
	Number dials Multiples