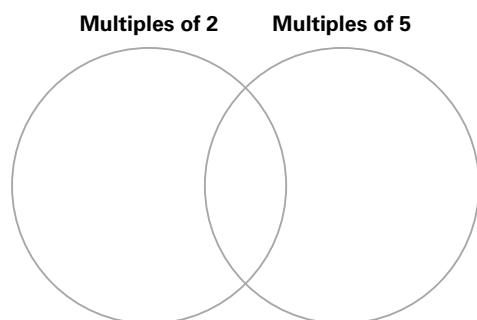# SORT IT OUT

OBJECTIVE: to begin to derive two-digit multiples of 2, 5 and 10
LEARNING LINK: tactile
ORGANISATION: groups of three or four
RESOURCES: a giant sorting sheet (see below); a set of number cards showing two-digit multiples of 2 and 5 for each group

Multiples of 2   **Multiples of 5**

WHAT TO DO

● Each group has a sorting sheet and a set of number cards. Read the labels on the sheet. Discuss what they mean.
● Sort the number cards into the appropriate section of the Venn diagram according to whether they are a multiple of 2, 5, or both 2 and 5.
● Look carefully at the numbers in each section of the diagram. Can you see any patterns? For example: all even multiples of 5 are also multiples of 2; numbers that are multiples of 10 are also multiples of 2 and 5.

NOW TRY THIS

'Quick sort': race against the other groups. Who can sort their number cards first?

MULTIPLE FOOTBALL

OBJECTIVE: to recognise multiples of 2, 5 and 10
LEARNING LINK: tactile
ORGANISATION: groups of three or four
RESOURCES: photocopiable page 56: Multiple football gameboard; a set of football counters numbered 1–30 for each group.
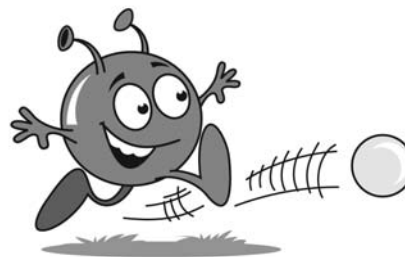
WHAT TO DO

● Talk about multiples of 2, 5 and 10. Remember that a number may be a multiple of more than one number. For example, 20 is a multiple of 2, 5 and 10.
● Each group has a gameboard and a set of football counters. Shuffle the counters and spread them face down on the table.

● Take it in turns to pick up a football, look at the number and place it in the correct goal. If the number does not belong in any goal, that is, it is not a multiple of 2, 5 or 10, you must keep it.
● The winner is the player with the fewest footballs at the end of the game.

NOW TRY THIS

1. 'Quick sort': sort the footballs into the correct goals as quickly as you can.
2. Try playing with football counters numbered with three-digit numbers. Identify which of the numbers are multiples of 2, 5 or 10.

TREASURE ISLAND

OBJECTIVE: to derive and recall multiplication facts for the two- and ten-times tables
LEARNING LINK: tactile
ORGANISATION: pairs
RESOURCES: photocopiable page 57: Treasure island; coloured crayons

WHAT TO DO

● Each pair has a treasure map, a set of clues and a coloured crayon. The clues will lead you to a location on the island where there is buried treasure.
● Work out the answer to the first clue, locate the square on the grid with that number in it and then mark the square with a coloured cross.
● Work out the answer to the remaining clues and record the pathway to the treasure by drawing a line from one answer to the next until the last clue has been solved.
● There may be a prize for those who have followed the correct path to the treasure.

NOW TRY THIS

Draw your own treasure map. Write a set of clues to lead your partner to the treasure.