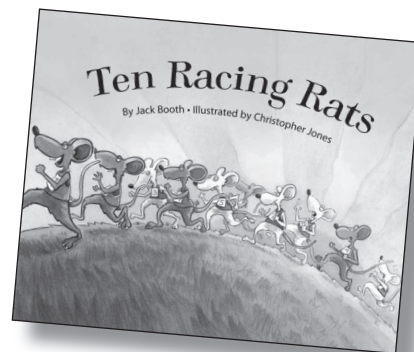


Ten Racing Rats



Strand

Knowing and using number facts

Objective

Derive and recall all pairs of numbers with a total of 10 and addition facts for totals to at least 5; work out the corresponding subtraction facts.

Learning outcome

I know all pairs of numbers with a total of 10.

Key vocabulary

how many more to make ...?, add, altogether, count

Read and talk maths

- Read *Ten Racing Rats*, encouraging the children to join in. Discuss the meaning of each verb and let the children demonstrate the actions (for example: waddling, prancing).
- Referring to the illustrations in the book, ask the children to recall all of the animals in the poem. Ask: *How many of each different type of animal is there altogether? Do all the animals look the same? Why not?* Discuss the colour combinations of the animals on each page (for example: *There are seven white lizards and three brown lizards – that makes ten lizards altogether*). Demonstrate how this calculation can be recorded as a number sentence ($7 + 3 = 10$). Repeat for all the other animals in the story. Invite the children to suggest other ways of combining two numbers to make ten. (For example: *If you know that $7 + 3 = 10$ what else do you know?*)

Read and do maths

- Read the poem with the group. Pause after each verse and ask the children to make a tower of cubes to show the different combinations of animals that make ten (for example: five white cubes and five brown cubes to represent the ten rats).
- Write pairs of numbers with a total of ten on individual sticky notes. Hold up each sticky note and ask the children to turn to the correct page in their book.
- Set some missing number problems for the children to solve (for example: $4 + ? = 10$). Discuss different strategies that the children could use to work out the answer (for example: fingers; practical apparatus, such as cubes, a string of ten beads or a number line).
- Ask the children to choose a different animal and create a new illustration for the story.

Practise maths

- The aim of the game on the photocopiable page 'Three in a row' is to help the children develop quick recall of all pairs of numbers with a total of ten. Organise the children to play the game in groups of two or three. Give each group a copy of the photocopiable page 'Three in a row', a shuffled set of 0–10 number cards and a set of different coloured counters for each child. Explain the rules of the game. Tell the children to take it in turns to pick a number card, work out what number they need to add to the number on the card to make ten and then cover that number on their grid. The winner is the first player to get a line of three counters in a row.

