

Percent as "out of one hundred"

MODULE 1 · PLACE VALUE AND THE DECIMAL NUMBER SYSTEM

NUMBER

 STRETCH PROBLEMS

- 1 On the school nature walk through the local park, 5th class spot a 10×10 grid of trees, with 100 trees in total. They want to mark 97% of the trees with a small ribbon to count them. How many of the 100 trees should they mark?

To shade 97% of a 10×10 grid, how many of the 100 small squares should you shade?

- 2 Mr Ó Briain's 5th class are lining up at the door before going out to the yard. He shows a 10×10 grid on the whiteboard and asks the class to shade 17% of it. How many of the 100 small squares should be shaded?

- 3 Cian's 5th class teacher hands out a 10×10 grid of biscuit squares from a tray at break time and asks the pupils to shade 88% of the squares to show how many biscuits have been eaten. How many of the 100 small squares should Cian shade?

- 4 Síle bakes a Halloween barmbrack and decorates the top with a 10×10 grid of raisins and sultanas. She uses raisins on 64 of the 100 squares and sultanas on the rest. What percent of the grid is covered in raisins?

On a 10×10 grid, 64 of the 100 small squares are shaded. What percent is shaded?

- 5 On sports day, Cian's 5th class is making a 10×10 grid poster to track how many pupils have finished their events. They want to shade 18% of the 100 small squares to show the first group home from the relay. How many small squares should they shade?