

Square numbers and number patterns

MODULE 2 · OPERATIONS AND COMPUTATIONAL FLUENCY

NUMBER

★ STRETCH PROBLEMS

- 1 Cian is helping the teacher set up a square sticker grid on the 5th class noticeboard. The grid has 12 stickers along each side, with 12 rows in total. How many stickers does Cian need to fill the grid, written as 12^2 ?
- 2 The caretaker paints a square hopscotch grid on the yard with 10 squares along each side. What is 10^2 , the total number of small squares in the grid?
- 3 For an art-and-maths lesson, Oisín draws a treasure map with a square grid of buried gems. The grid has 7 rows and 7 columns, with one gem in each square. How many gems are on the map in total, written as 7^2 ?



$$\frac{1}{2}$$



$$\frac{1}{2}$$

NUMBER



$$\frac{1}{2}$$

