

# Reading and writing numbers to millions

MODULE 1 · PLACE VALUE, DECIMALS AND THE NUMBER SYSTEM

NUMBER

## HOW TO ANSWER TODAY

- **Value of a digit.** Find which place the digit sits in, then write what it is worth there as a number (not the place name).

In 3,742 the digit 7 sits in the hundreds place. Its value is 700.

## STRETCH PROBLEMS

- 1 On the class noticeboard about the Cliffs of Moher, the annual visitor total is shown as **1,302,940**. Write **1,302,940** in expanded form.
- 2 Cian reads that a national seed company sold **2,560,457** packets of seeds last spring. Write this number in expanded form?
- 3 The school weather station logged four overnight temperatures in degrees Celsius: - **8.9**, **8.4**, **1.3** and - **4.7**. Order the temperatures from coldest to warmest.
- 4 Aoife checks the school garden thermometer on four cold January mornings. The readings in degrees Celsius are - **7.0**, **1.2**, - **3.3** and - **5.8**. Order the temperatures from smallest to largest.
- 5 The cousins check the outdoor thermometer at granny's house on four winter mornings. The readings are - **8.0** °C, **3.5** °C, **6.3** °C and - **3.6** °C. Order the temperatures from smallest to largest.

## INVESTIGATE

### How big is a million?

About how long would it take to count to a million out loud? Estimate first, then work it out using a sensible rate (say, one number per second). Find three real things that come in **millions** in Ireland.

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