

ORDERING DECIMALS FROM A CLASSROOM MEASUREMENT

- 1 Line up all the decimals so their points are in one column.
- 2 Start at the leftmost place and compare the digits in each column until they differ.
- 3 Write the numbers in order from smallest to largest.

WARM-UP

Use the place-value mat to write each decimal with one digit per cell.

U	t	h	th

1. Write 0.5, 0.45 and 0.505 on the mat, one per row.
2. Write 0.4, 0.404 and 0.44 on the mat, one per row.
3. Write 0.044 and 0.28 on the mat, one per row.

PRACTICE

- 1 The red ruler measured **0.6 m** and the blue ruler measured **0.405 m**.
Which is bigger in the classroom: 0.6 m or 0.405 m?
- 2 Four pupils measured their desks with different tapes.
Order these lengths: 0.4 m, 0.404 m, 0.44 m, 0.044 m
- 3 Two groups measured the same book width.
Are 0.07 m and 0.070 m the same length?
- 4 The teacher listed the fractions of the board used by each group.
Order these: 0.5, 0.45, 0.505, 0.05

SPOT THE MISTAKE

Liam says 0.45 is bigger than 0.5:

0.45 has 45 in it.
0.5 only has 5.
So $0.45 > 0.5$.

Find Liam's mistake. Which is actually bigger?

The mistake _____ Correct answer _____

IRISH FACT

Ireland's highest peak

Carrauntoohil, in Co. Kerry, rises to **1,038 m** — the tallest mountain in Ireland.

Ordnance Survey Ireland

