

Ordering a set of decimals

MODULE 1 · PLACE VALUE AND THE DECIMAL NUMBER SYSTEM NUMBER

To compare two decimals, line up the place values and **read each digit from left to right**. The first digit that differs decides which is bigger.

→ **5.83** vs **5.79**: units the same; tenths $8 > 7$, so $5.83 > 5.79$.

→ **0.4** vs **0.40**: same value (the trailing zero adds no quantity).

HOW TO ANSWER TODAY

- **Compare or order.** Compare one place at a time, starting from the LEFT. Use $<$ (less than), $>$ (greater than), or $=$ (equal).

$3.45 < 3.54$ · Smallest → largest: 0.7, 0.71, 1.07

TRY IT ON THE LINE

Write each decimal into the mat — one decimal per row, decimal points lined up. Then read each column from left to right to find the smallest and largest.

U	t	h

1. Row 1: build **0.4** (write 0 . 4 0).

2. Row 2: build **0.45**.

3. Row 3: build **0.5** (write 0 . 5 0).

4. Row 4: build **0.05**.

5. Row 5: build **0.55**.

6. Read the **tenths** column from top to bottom. Which decimal is the smallest? ____ Largest? ____

7. Write the five decimals in order, smallest first: ____ $<$ ____ $<$ ____ $<$ ____ $<$ ____

PRACTICE

- 1 At the cinema kiosk on the 5th class trip, Oisín spots two ticket-price stickers on the counter: one shows **€8.04** and the other shows **€8.40**. Which sticker shows more money, and how many cent are in each price?

Which is more — €8.04 or €8.40? How many cent are in each?

- 2 The 5th class fundraiser raised **€24.28** at Monday's bake sale and **€58.70** at Friday's cake sale in the school canteen. How much money did the class raise in total?

$24.28 + 58.7 = ?$

CHALLENGE

- 1 The school weather chart shows the rainfall on four Mondays in October as **7.02 mm**, **2.880 mm**, **4.03 mm** and **7.130 mm**. Niamh needs to put the readings on the noticeboard in order. Order the rainfalls from smallest to largest.

Order from smallest to largest: 7.02, 2.88, 4.03, 7.13

- 2 The school weather chart logged the rainfall at the GAA pitch on four days last week as **9.40 mm**, **7.753 mm**, **6.89 mm** and **6.26 mm**. Order the rainfalls from smallest to largest.