Lesson 2

One whole, ten parts — introducing tenths

MODULE 1 · PLACE VALUE AND THE DECIMAL NUMBER SYSTEM NUMBER

If you split **one whole** into **ten equal parts**, each part is one **tenth**. Written as a fraction: **1/10**. Written as a decimal: **0.1**.

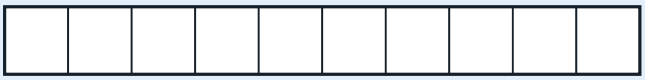
→ **3/10** = **0.3** (three tenths).
→ **7/10** = **0.7** (seven tenths).
→ Ten tenths make one whole: 10/10 = **1.0**.

HOW TO ANSWER TODAY

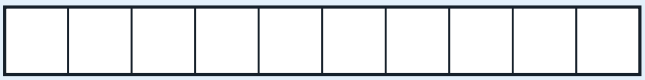
- **Decimal places.** Tenths is the first digit after the point, hundredths the second, thousandths the third.
  In 4.82 the digit in the tenths place is 8. · In 0.345 the hundredths digit is 4.
- **Expanded form (decimals).** Write the decimal as a sum of its parts: ones, tenths, hundredths. Skip any part that is 0.
  4.52 = 4 + 0.5 + 0.02 · 0.07 = 0.07

TRY IT ON THE LINE

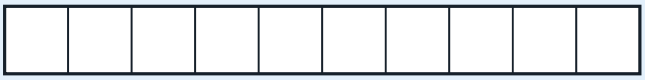
Each strip is split into ten equal tenths. Colour the asked fraction on each strip, then write its decimal underneath.



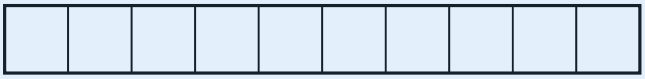
shade 3/10 — write as a decimal: _____



shade 7/10 — write as a decimal: _____



shade more than 1/2 but less than — 7/10 fraction: _____



all ten shaded — fraction: _____ decimal: _____

1. Strip 1: shade three tenths from the left. Write 3/10 as a decimal.
2. Strip 2: shade seven tenths from the left. Write 7/10 as a decimal.
3. Strip 3: shade more than five tenths but less than seven tenths — write the fraction.
4. Strip 4: every cell is already shaded. Write 10/10 as a fraction and as a decimal.

PRACTICE

1. On the 5th class nature walk through the local park, Oisín measures a small toadstool and notes its height in his copybook as **2.52 cm**. Write **2.52** in expanded form, showing the ones, tenths and hundredths parts.

2. At the Cumann na mBunscol blitz in the county grounds, Tadhg records that his team's average score per match is **6.96** points. Write **6.96** in expanded form, showing the ones, tenths and hundredths parts.