

One whole, ten parts – introducing tenths

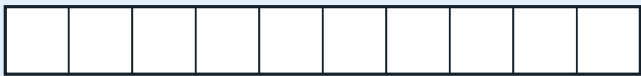
MODULE 1 · PLACE VALUE AND THE DECIMAL NUMBER SYSTEM NUMBER

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**.

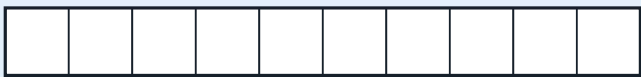
- $3/10 = 0.3$ (three tenths).
- $7/10 = 0.7$ (seven tenths).
- Ten tenths make one whole: $10/10 = 1.0$.

TRY IT ON THE LINE

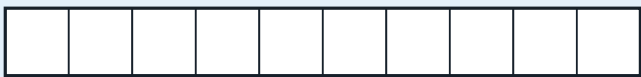
Each strip is split into ten equal tenths. Colour the asked fraction on each strip, then write its decimal underneath.



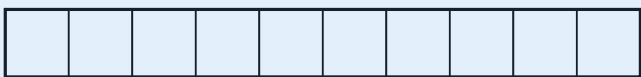
shade $3/10$ —
write as a decimal: _____



shade $7/10$ —
write as a decimal: _____



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



all ten shaded —
fraction: _____ decimal: _____

- Strip 1: shade three tenths from the left. Write $3/10$ as a decimal.
- Strip 2: shade seven tenths from the left. Write $7/10$ as a decimal.
- Strip 3: shade more than five tenths but less than seven tenths — write the fraction.
- 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.

Write 2.52 in expanded form (ones, tenths, 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.

Write 6.96 in expanded form (ones, tenths, hundredths parts).