Lesson 31

Fractions on a number line

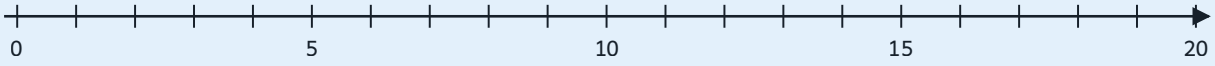
MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Compare fractions.** Make the bottom numbers (denominators) the same first. Then compare the top numbers.
  1/4 and 1/3 → 3/12 and 4/12 → 1/4 < 1/3

TRY IT ON THE LINE

Use the number line to place, count and round the numbers in the lesson.



1. Mark each number from the lesson with a small cross.
2. Count on (or back) in equal steps and label where you land.
3. For a rounding task, mark the two nearest tens and ring the closer one.

PRACTICE

1. Oisín is making sandwiches for the 4th class picnic. He fills **3/4** of one tray with ham sandwiches, **7/8** of another tray with cheese sandwiches, and **1/5** of a third tray with egg sandwiches. Order the trays from smallest fraction filled to largest.

2. Aoife cuts a tray of flapjacks into **7** equal pieces for her sleepover. Her friends eat **5** of the pieces before bedtime. What fraction of the tray has been eaten?
   > A shape is divided into 7 equal parts and 5 are shaded. What fraction of the shape is shaded?

CHALLENGE

1. Aoife is at a sleepover and four friends each have a packet of biscuits. Cara has eaten **3/4** of her packet, Oisín has eaten **7/8**, Niamh has eaten **1/5** and Tadhg has eaten **11/12**. Order the amounts eaten from smallest to largest.

2. Mr Murphy's class library has a display shelf split into **15** equal sections for the books returned this week. The class wants to fill **4/5** of the shelf with returned books. How many of the **15** sections should they fill?
   > To shade 4/5 of a shape divided into 15 equal parts, how many parts must be shaded?