

# What is a fraction? – review part-whole

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

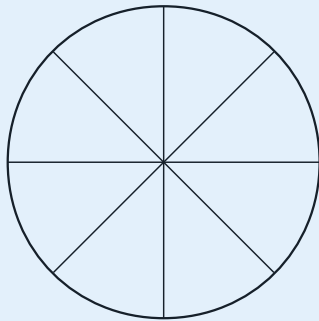
## HOW TO ANSWER TODAY

- **Share in a ratio.** Add the ratio parts. Divide the total by that number to find ONE part. Multiply each ratio number by it.

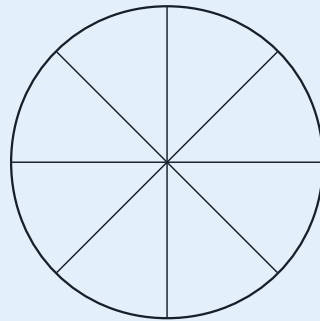
Share €90 in 2:3 → 5 parts,  $€90 \div 5 = €18$  per part → €36 and €54

## TRY IT ON THE LINE

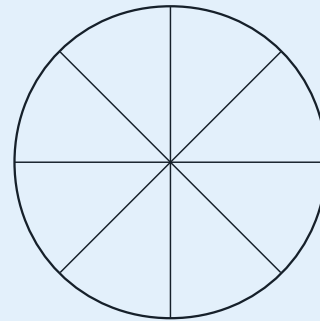
Each circle is divided into 8 equal slices. Shade the fraction asked on the matching circle, then write it as an eighths fraction underneath.



Circle A – shade  $\frac{1}{2}$



Circle B – shade  $\frac{3}{4}$



Circle C – shade  $\frac{5}{8}$

1. Circle A: shade  $\frac{1}{2}$  – how many slices? \_\_\_\_ Write it as eighths: \_\_\_\_ / 8
2. Circle B: shade  $\frac{3}{4}$  – how many slices? \_\_\_\_ Write it as eighths: \_\_\_\_ / 8
3. Circle C: shade  $\frac{5}{8}$  – how many slices? \_\_\_\_ Write it as eighths: \_\_\_\_ / 8
4. Which is bigger,  $\frac{1}{2}$  or  $\frac{5}{8}$ ? \_\_\_\_ Use the pictures to explain why.

## PRACTICE

- 1 Ms Doyle's 5th class line up at the classroom door in **11** equal spots before heading to the yard. **3** of the spots are filled by pupils wearing hi-vis vests for yard duty. What fraction of the line is made up of pupils in hi-vis vests?

A shape is divided into 11 equal parts and 3 are shaded. What fraction of the shape is shaded?

--	--	--	--	--	--	--	--	--	--	--	--

- 2 On sports day, the 5th class long-jump pit is marked into **11** equal sections along its length. After the morning events, **4** of the sections have footprints in the sand. What fraction of the pit has footprints in it?

A shape is divided into 11 equal parts and 4 are shaded. What fraction of the shape is shaded?

--	--	--	--	--	--	--	--	--	--	--	--

## ALWAYS, SOMETIMES, NEVER

Always true, sometimes true, or never true? Write A, S or N.

- |   |   |
|---|---|
| a. $\frac{1}{4}$ is bigger than $\frac{1}{8}$ . <input type="checkbox"/>                | d. $\frac{1}{2}$ is the same as 50%. <input type="checkbox"/>                       |
| b. If two fractions look different they have different values. <input type="checkbox"/> | e. Adding 1 to top and bottom keeps a fraction equivalent. <input type="checkbox"/> |
| c. The bigger the denominator, the bigger the fraction. <input type="checkbox"/>        | f. A fraction can be greater than 1. <input type="checkbox"/>                       |