

# Equivalent fractions, decimals, percents – independent

MODULE 1 · PLACE VALUE AND THE DECIMAL NUMBER SYSTEM NUMBER

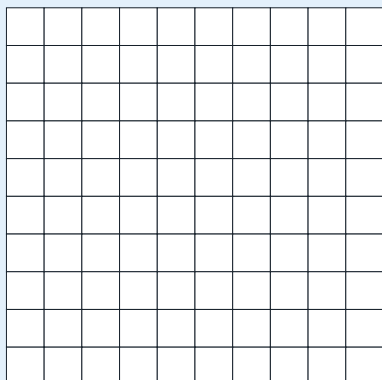
## HOW TO ANSWER TODAY

- Fraction · decimal · %.** Divide top by bottom to get a decimal. Multiply a decimal by 100 to get a percent. Write fractions in lowest terms.

$$1/4 = 0.25 = 25\% \quad 0.6 = 60\% = 3/5$$

## TRY IT ON THE LINE

Convert each fraction to a decimal and a percent. Use the 100-grid below to picture each fraction if it helps (remember: 100 cells = one whole, so 1% = 1 cell).



- $1/8 \rightarrow$  decimal = \_\_\_\_\_ percent = \_\_\_\_\_
- $1/3 \rightarrow$  decimal = \_\_\_\_\_ percent = \_\_\_\_\_ (this one runs on forever – write the first three digits)
- $2/5 \rightarrow$  decimal = \_\_\_\_\_ percent = \_\_\_\_\_
- $7/10 \rightarrow$  decimal = \_\_\_\_\_ percent = \_\_\_\_\_

## PRACTICE

- At granny's Sunday dinner, Saoirse notices that **20%** of the cousins around the table chose mashed potato instead of roast. Write **20%** as a fraction in its lowest terms and as a decimal.
- 5th class are watching the bird feeder at the classroom window during nature week. Out of the visits Niamh tallies on Monday, **75%** are by goldfinches. Write **75%** as a fraction in its lowest terms and as a decimal.

## CHALLENGE

- On the school tour to the Cliffs of Moher, **75%** of 5th class bring a packed lunch from home. Write **75%** as a fraction in its lowest terms and as a decimal.
- In 5th class, **3/5** of the pupils have a turn carrying the GAA kit bag back from training each week. Write **3/5** as a decimal and as a percentage.