Converting decimals to fractions

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES 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% 0.6 = 60% = 3/5

STRETCH PROBLEMS

1. Fionn takes part in the relay at the school athletics sports day. He runs **0.375** of the full course. Express **0.375** as a fraction in lowest terms and as a percentage.

2. Méabh's family bake a barmbrack for Halloween weekend. After supper, **9/10** of the loaf is still left. Express **9/10** as a decimal and as a percentage.

3. At granny's house for Sunday dinner, the cousins notice that **0.6** of the apple tart is still left on the plate. Express **0.6** as a fraction in lowest terms and as a percentage.

4. Saoirse's class is sharing out a packet of biscuits at break time. **25%** of the packet is kept for the yard later. Express **25%** as a fraction in lowest terms and as a decimal.

5. Saoirse's 6th class are decorating the classroom noticeboard for World Book Day. They have covered **90%** of the board with colourful book posters. Express **90%** as a fraction in lowest terms and as a decimal.