

Rounding decimals to nearest whole, tenth and hundredth

MODULE 1 · PLACE VALUE, DECIMALS AND THE NUMBER SYSTEM NUMBER

HOW TO ANSWER TODAY

- **Round to nearest....** Look at the digit ONE place to the right of where you're rounding to. 5 or more → round up; less than 5 → keep.

7.34 to nearest tenth → 7.3 (the 4 is less than 5). · 7.36 → 7.4.

★ STRETCH PROBLEMS

- 1 Saoirse and her cousins are splitting the cost of a present for their grandad. On the calculator, each cousin's share works out to **€19.521** before being rounded to the nearest cent. What is **€19.521** rounded to the nearest hundredth?
- 2 At granny's house after Sunday dinner, Oisín helps share out the cost of the takeaway dessert between the cousins. His calculator shows each cousin owes **76.272** before he rounds to euros and cents. What is **76.272** rounded to the nearest hundredth?
- 3 At break time, Cian works out that each pupil's share of the biscuit packet costs **19.193 cents** on his calculator before rounding. Round **19.193** to the nearest hundredth.
- 4 The tuck shop float at the end of break shows **23.96** on the calculator after Síle totals the coins. She needs to round the figure to one decimal place for the weekly tally sheet. What is **23.96** rounded to the nearest tenth?
- 5 The 5th class raffle for the Christmas hamper raised **€24.37** in coins from the yard collection. Saoirse rounds the total to the nearest tenth of a euro to write a tidy figure on the noticeboard. What is **24.37** rounded to the nearest tenth?