

Maths journal review and self-assessment

MODULE 9 · MATHEMATICAL MODELING AND END-OF-YEAR REVIEW REVIEW

HOW TO ANSWER TODAY

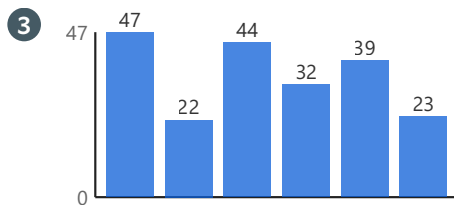
- **Lowest terms.** Divide top and bottom by the same number until you can't go any further.
 $12/18 \div 6 \rightarrow 2/3$
- **Mean (average).** Add ALL the numbers. Divide by HOW MANY there are.
 Mean of 2, 5, 6, 9 $\rightarrow (2+5+6+9) \div 4 = 22 \div 4 = 5.5$
- **Decimal places.** Tenths is the first digit after the point, hundredths the second, thousandths the third.
 In 4.82 the digit in the tenths place is 8. · In 0.345 the hundredths digit is 4.

STRETCH PROBLEMS

- 1 Saoirse invites friends to a sleepover and lays out 20 biscuits on a tray. By bedtime, 15 of the 20 biscuits have been eaten. Write the fraction 15/20 in its lowest terms.

Simplify 15/20 to lowest terms.

- 2 On the 5th class tour to Glendalough, the coach's odometer logged 19.103 km on the drive from the school to the M50, then 75.29 km from the M50 to the car park at the lakes. How many kilometres did the coach travel in total?



5th class tracked the rainfall on the school weather chart for six days in October. The readings in millimetres were 47, 22, 44, 32, 39 and 23. What is the mean rainfall across these six days?

- 4 Mr Ó Briain prints 30 maths worksheets in the photocopier room for 5th class tomorrow. 27 of the 30 worksheets are stapled and ready to go. Write the fraction 27/30 in its lowest terms.

Simplify 27/30 to lowest terms.

- 5 Ms Murphy marks the 5th class sprint times on a number line on the board before the pupils line up at the door for yard. Cian's time was 3.387 seconds over the class average. Between which two whole numbers does 3.387 sit on the number line, and which whole number is it closer to?