

End-of-year strands tour

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

REVIEW

HOW TO ANSWER TODAY

- **Elapsed time.** Count up to the next hour, then in whole hours, then the remaining minutes. Add the parts.

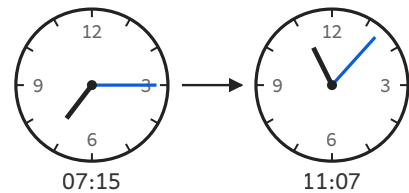
14:30 → 16:45: 30 min to 15:00, 1 h to 16:00, 45 min to 16:45 → 2 h 15 min

- **Lines of symmetry.** A line of symmetry folds the shape so both halves match. Count every direction that works.

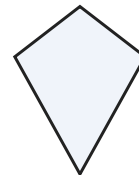
Square → 4 lines (2 middles + 2 diagonals) Equilateral triangle → 3

★ STRETCH PROBLEMS

- 1 5th class set off from home at **07:15** for a school music trip. They arrive at the concert hall at **11:07**. How long does the journey take?



- 2 5th class are planning a kite-shaped flowerbed for the school garden. Saoirse wants to mark the lines of symmetry on her sketch before they plant the seeds. How many lines of symmetry does a kite have?



- 3 Cian packs grapes into his lunchbox following a pattern. He packs **1**, **7**, **13** and **19** grapes on consecutive days. What comes next in the sequence?

- 4 Mr Ó Briain pins up the weekly star chart on the 5th class noticeboard. The total stars after each week so far are **5**, **17**, **29** and **41**. If the pattern continues, how many stars will be on the chart after the next week?

- 5 5th class set off from the school yard for their tour to the Cliffs of Moher at **09:50**. The coach pulls into the Cliffs car park at **13:12**. How long does the journey take?

