Patterns in the tables and multiples

MODULE 10 · ALGEBRA — PATTERNS, RULES AND NUMBER SENTENCES ALGEBRA

STRETCH PROBLEMS

1. Aoife is pinning bunting flags along the classroom wall for World Book Day. She writes a number on each flag, making the pattern **1**, **7**, **13**, **19**. What number should she write on the next flag?

2. For World Book Day, 4th class are stringing up paper bunting flags along the corridor walls. The number of flags on each wall follows the pattern **27**, **39**, **51**, **63**. How many flags should go on the next wall?

3. Cian is stacking pencils into rows on the classroom store shelf. The rows hold **5**, **9**, **13** and **17** pencils, growing by the same amount each time. How many pencils are in the next row?

4. On the class noticeboard, Aoife pins up a chart showing how many reading stickers 4th class earned each week: **16**, **28**, **40**, **52**. The pattern keeps going the same way. How many stickers come next?

5. Síle bakes trays of barmbrack for the Halloween sale. The first four trays hold **5**, **17**, **29** and **41** slices, going up by the same amount each time. How many slices should the next tray hold?