

End-of-year review – data, chance and algebra; maths-journal reflection

MODULE 10 · ALGEBRA — PATTERNS, RULES AND NUMBER SENTENCES

ALGEBRA

HOW TO ANSWER TODAY

- **Chance words.** Choose from: impossible · unlikely · even · likely · certain.
Sun rising tomorrow → certain · Coin landing heads → even
- **Mode (most common).** The mode is the number that appears MOST OFTEN.
2, 2, 3, 5, 2, 7 → 2 appears three times → mode is 2

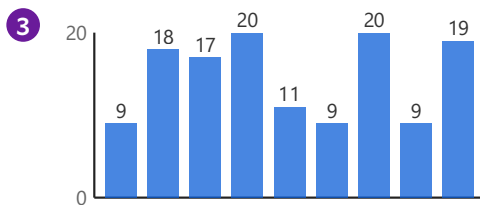
★ STRETCH PROBLEMS

- 1 Mr Murphy's 4th class are talking about chance during maths. He asks them how likely it is that a randomly chosen pupil in a class of 30 will be left-handed. Choose one word: impossible, unlikely, even, likely, or certain.

How likely is this event: a randomly chosen pupil in a class of 30 being left-handed? Choose one of: impossible, unlikely, even, likely, certain.

- 2 In Ms Walsh's 3rd class maths investigation, Aoife is talking about chance events with her group. They discuss the next baby born in the local hospital being a boy. Is this event impossible, unlikely, even, likely or certain?

How likely is this event: the next baby born being a boy? Choose one of: impossible, unlikely, even, likely, certain.



Cian's 4th class run a science investigation timing how many seconds it takes water to trickle through a pot of soil. Their nine timings in seconds are 9, 18, 17, 20, 11, 9, 20, 9 and 19. What is the mode of the timings?

- 4 Tadhg is planting bean seeds in rows in the school polytunnel. The first row has 14 seeds, the next has 11, then 8, then 5. Following the same pattern, how many seeds are in the next row?

What comes next in the sequence: 14, 11, 8, 5, ____?

- 5 Ms Murphy's 4th class are talking about chance during maths. She asks them about the next baby born being a boy. Is this event impossible, unlikely, even, likely, or certain?

How likely is this event: the next baby born being a boy? Choose one of: impossible, unlikely, even, likely, certain.