

Module assessment – what does our class look like?

ANSWER KEY

- a) Maths bar to 6.
- b) English bar to 4.
- c) Irish bar to 3.
- d) PE bar to 8.
- e) Art bar to 5.
- f) **26** ($6 + 4 + 3 + 8 + 5$).
- g) **PE** (8 votes).

Q1: 30

Q2: 10

- a) **Always** — Different visuals, same underlying frequencies.
- b) **Sometimes** — True unless every pupil is exactly the same height (then they're all the mean).
- c) **Always** — Impossible events have zero outcomes that count, so $0/\text{total} = 0$.
- d) **Never** — $(0, 0)$ is the origin — it sits on both axes, not in any quadrant.
- e) **Never** — Sample too small. Conclusions about a school need a much bigger sample.
- f) **Always** — Quadrants run anticlockwise from top-right: Q1 (+,+), Q2 (-,+), Q3 (-,-), Q4 (+,-).

EXTENSION SHEET · STRETCH ANSWERS

S1: 32

S2: 30.5

S3: 35.5

S4: 9

S5: 136