

- 2 Four students, **A**, **B**, **C** and **D**, have completed an experiment to determine the acceleration of free fall, g . Each student repeated the experiment three times. The determined values of g are shown in the table.

Which set of results has a high precision and a low accuracy?

	acceleration of free fall/ m s^{-2}		
	experiment 1	experiment 2	experiment 3
A	7.2	9.4	8.3
B	9.5	9.8	10.2
C	9.8	9.8	9.9
D	10.1	10.2	10.1

- 3 The distance of fall: $1.0 \times 10^{-2} \text{ m}$ (5.00 ± 0.02)