

- 4 A series of measurements of the acceleration of free fall g is shown in the table.

Which set of results is precise but not accurate?

	g/ms^{-2}				
A	9.81	9.79	9.84	9.83	9.79
B	9.81	10.12	9.89	8.94	9.42
C	9.45	9.21	8.99	8.76	8.51
D	8.45	8.46	8.50	8.41	8.47

- 5 A mass m has acceleration a . It moves through a distance s in time t . The power used in accelerating the mass is equal to the product of force and velocity. The percentage uncertainties are

0.1% in m ,

1% in a ,

1.5% in s ,

0.5% in t .

What is the percentage uncertainty in the average power?

- A** 2.1% **B** 2.6% **C** 3.1% **D** 4.1%