1 What could **not** be a measurement of a physical quantity?

A $10\,\text{K}$ **B** $11\,\text{J}\,\text{N}^{-1}\,\text{m}^{-1}$ **C** $17\,\text{Pa}\,\text{m}^{3}\,\text{N}^{-1}$ **D** $25\,\text{T}\,\text{m}$

2 A computer memory stick is labelled as having a storage capacity of 128 GB.

The letter B stands for byte, which is a unit.

What is the equivalent storage capacity?

A $1.28 \times 10^{8}\,\text{B}$

B $1.28 \times 10^{11}\,\text{B}$

C $1.28 \times 10^{14}\,\text{B}$

D $1.28 \times 10^{17}\,\text{B}$

3 A man of mass 75.2 kg uses a set of weighing scales to measure his mass three times. He obtains the following readings.

	mass / kg
reading 1	80.2
reading 2	80.1
reading 3	80.2

Which statement describes the precision and accuracy of the weighing scales?

A not precise to $\pm$ 0.1 kg and accurate to $\pm$ 0.1 kg

B not precise to $\pm$ 0.1 kg and not accurate to $\pm$ 0.1 kg

C precise to $\pm$ 0.1 kg and accurate to $\pm$ 0.1 kg

D precise to $\pm$ 0.1 kg and not accurate to $\pm$ 0.1 kg

4 Which statement about scalar and vector quantities is correct?

A A scalar quantity has direction but not magnitude.

B A scalar quantity has magnitude but not direction.

C A vector quantity has direction but not magnitude.

D A vector quantity has magnitude but not direction.