

7kb springs

1a C extension

B D plastic

2. 4 , N

3. $5\text{N} \rightarrow 3\text{cm}$

$15\text{N} \rightarrow ??$

$3 \times 3 = 9 \text{ cm}$

4 a. A

b. A and C , the graphs are straight lines, the extension is proportional to the force.

c. A, as it stretches the most for a small weight, this would make the scale easier to read, make it possible to detect small differences in forces.