

7kb springs

1a C extension

B D plastic

2. 4 , N

3. 5N \rightarrow 3cm

15N \rightarrow ??

3 x 3 = 9 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.