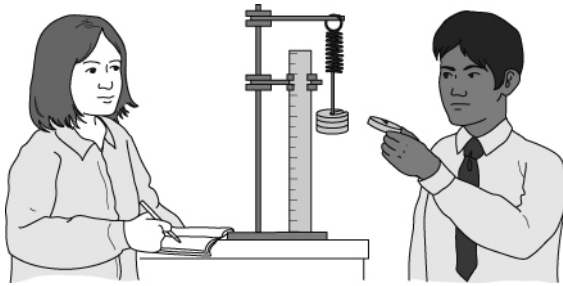


Name _____ Class _____ Date _____



Matilda and Ravi carried out an experiment with springs. They put different weights on the spring and measured the length of the spring each time.

The table shows some of their results.

Weight (___)	Extension (cm)
0	10
2	14
4	18
6	22
8	26
10	30

1 Fill in the missing unit in the table and on the label on the graph.

2 Draw a graph to show the results.

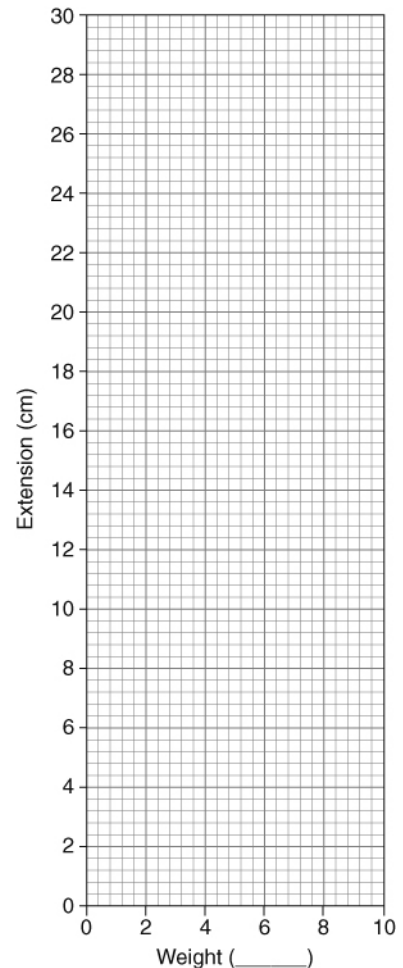
3 Which is the best conclusion for their experiment? Tick *one* box.

- The bigger the mass, the larger the weight.
- The larger the weight, the longer the spring.
- The longer the spring, the bigger the weight.
- The shorter the spring, the bigger the weight.

4 Ravi uses the same spring and hangs some different objects from it. He uses his graph to work out the weight of each object. The table below shows his results.

Fill in the missing weights.

Object	Length of spring (cm)	Weight of object (N)
A	26	8
B	14	
C	22	
D	16	
E	28	



I can...

- present data as a scatter graph
- draw a conclusion
- use data from a scatter graph
- describe how the extension of a spring depends on the force applied.