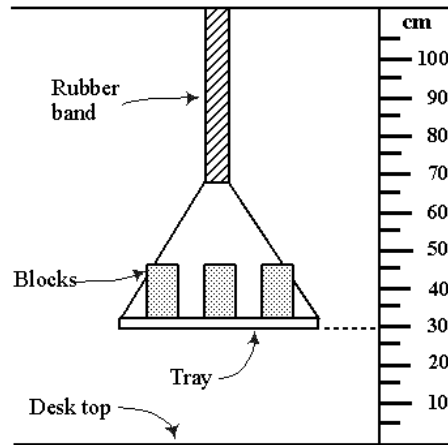


The stretch of a rubber band

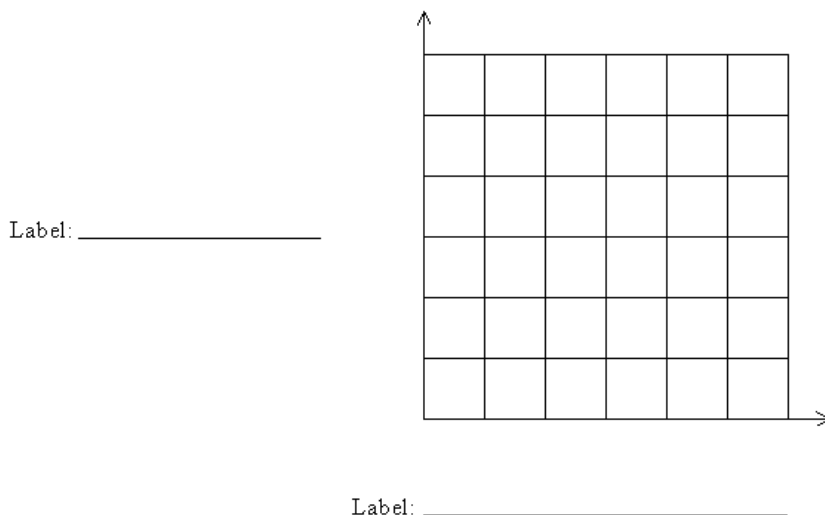


A tray is hanging by a thick rubber band. When John adds blocks to the tray, the rubber band stretches and the tray moves closer to the desk top. His results are shown on the chart below.

Number of blocks	Height of tray above desk top (cm)
0	60
1	50
2	40
3	30

a) Graph John's results below. You must label and number each axis.

TITLE: The Amount of Stretch in a Rubber Band



b) What can you say about the relationship between the number of blocks and the stretch of the rubber band?

c) How many blocks will be needed to make the tray just touch the desk top?

- (A) 4 (B) 5 (C) 6 (D) 7 (E) 8