Name _____     Period_____     Date _____

# 7-3 TASKS
# T-SHIRTS

A company makes custom t-shirts in four sizes: S, M, L, and XL.
The following table shows a breakdown of the costs to make one t-shirt for each size.
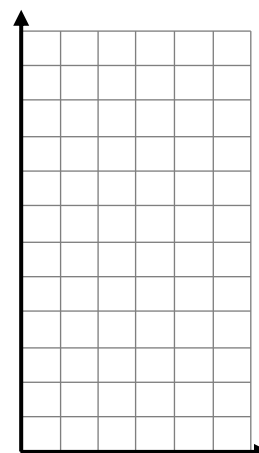
1.  Calculate the total cost for each shirt size.

| Size | Amount of Fabric (in yards) | Cost of Fabric (per yard) | Cost of Labor | Total Cost for each shirt |
|------|------|------|------|------|
| S | 2.5 | $2 | $3 | |
| M | 3 | $2 | $3 | |
| L | 3.5 | $2 | $3 | |
| XL | 4 | $2 | $3 | |

2.  Make a graph of the data showing the amount of fabric on the *x*-axis and the total cost for each shirt on the *y*-axis. Label and scale the graph appropriately.

3.  Does the relationship appear to be proportional? Explain.

4.  If you were to draw a "trend line" through the points, where would that line cross the *y*-axis? What might this value represent in the context of the problem?

5.  What is the increase in cost per 1 yard of fabric? How is this value represented in your graph?