


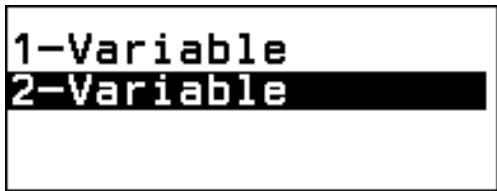


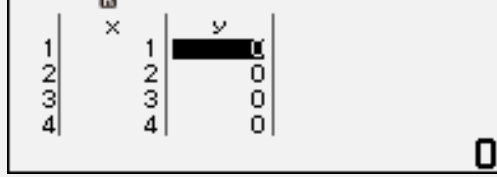
Unit 2: Lesson 10 – Graphs of Proportional Relationships

Activity 10.2: T-shirts for Sale

Skill: Use the Statistics app to create a scatter plot on www.ClassPad.net.

Activity Summary:

This activity focuses on representing proportional relationships graphically. Students will create a graph from a given table and observe that the plotted points form a straight line passing through the origin. A key discussion point will be whether it's appropriate to connect these points with a continuous line. The Statistics app on the calculator can be used to create a QR Code to view a scatter plot of the t-shirt costs on www.ClassPad.net.

1. Turn on the calculator with the - On button . Press – Home and then use the arrow keys to highlight the Statistics app .	
2. Press either or to open the Statistics app . To enter the data given in the table about T-shirts, press the down arrow , , to highlight 2-Variable .	
3. Press either or to select. In the x-column , enter the number of T-shirts and in the y-column , the corresponding cost in dollars from the table.	
4. Press either or to enter a value and move down to enter the next value.	
5. To quickly move to the top to enter the T-shirt costs in dollars, press the down arrow , , to return to the top value and then the left arrow , , to move to the y-column .	

6. Enter the corresponding **T-shirt costs** in dollars. Press either **OK** or **BE** after each entry to move down to enter the next value.

x	y
4	32
5	40
6	48
7	

7. To view a **scatter plot** of the **data table**, first obtain the **QR Code**, press **↑**, **ⓧ** and then **scan** with an **internet enabled device**.



8. The **ClassPad.net** page will open on the device, as shown on the right.
9. **The Scatter Plot** can now be used to answer other questions in the Activity.

The data points lie on a straight line which would go through the **origin, (0,0)**.

Since partial T-shirts cannot be purchased, the graph consists of only **discrete points** of the whole number of T-shirts which can be purchased.

