Casio CFX-9750G

Graphing Calculator Lab
Ratio Tables

Main IDEA

Use technology to compare output/input ratios for functions.

You can use the CellSheet application on a Casio CFX-9750G graphing calculator to compare the output/input ratios of real-world functions.

ACTIVITY

1 MOVIES The total cost of purchasing 1, 2, 3, 4, and 5 DVDs for $19 each is found by multiplying the number of DVDs purchased by 19. Create a table to model this situation. Include a column that calculates the ratio of cost to DVDs.

STEP 1 Access List by pressing MENU 4.

STEP 2

OPTN F1 F1 1 × 19.

STEP 3

OPTN F1 F1 2 ÷ F1 1.

ANALYZE THE RESULTS

1. Does the 2-column table of values for DVDs and Cost form a ratio table? Explain your reasoning.
2. CLOTHING A store offers $5 off any purchase over $10. Create a graphing calculator table that models the total cost of purchasing $11 through $14 in clothing. Include a ratio column of cost : amount.
3. Does the 2-column table of values for the amount and cost form a ratio table? Explain your reasoning.

STUDY TIP

Cell Sheet To clear the sheet while in the CellSheet program, press [F5] to select Menu, 2 to select Edit, 3 to select Clear Sheet, and 2 to select Yes.