

# Cost of Brownies

The poster for the bake sale says that brownies cost 50¢ each or \$3.00 for eight.



1. **A.** Complete the data table to show the cost if brownies are sold for 50¢ each.

**Cost of Brownies**

Number of Brownies	Cost (in Dollars)
2	\$1
4	
8	
16	

- B.** Use the data table to make a graph that shows Cost vs. Number of Brownies. Scale the horizontal axis by twos and the vertical axis by ones. If the points form a line, draw a line through them.
- C.** Write three equal ratios that compare the Cost to the Number of Brownies. Write the ratios as fractions.
- D.** How much will 12 brownies cost? Show or tell how you know.

- 2. A.** Complete the data table to show the cost if brownies are sold for \$3.00 for a box of eight.

**Cost of Brownies in a Box**

Number of Brownies	Cost (in Dollars)
8	\$3
16	
24	

- B.** Use the data table to make a graph that shows Cost vs. Number of Brownies. Use the same graph paper that you used for Question 1B. If the points form a line, draw a line through them.
- C.** Write three equal ratios that compare the Cost to the Number of Brownies. Write the ratios as fractions.
- D.** How much will 48 brownies cost? Show or tell how you know.
- E.** How do you know your answer to Question 2D is reasonable?
- 3.** Describe the two lines on your graph. How do they compare?
- 4.** Write a ratio for the Cost to the Number of Brownies for each line when the Number of Brownies is 8. How do the two ratios compare?
- 5.** Would you rather buy brownies individually or in boxes of eight? Explain your thinking.



Name \_\_\_\_\_ Date \_\_\_\_\_

### Cost of Brownies Feedback Box

	Expectation	Check In	Comments
Represent and identify fractions and ratios using data tables and graphs. [Q# 1C, 2C]	E1		
Find equivalent fractions and ratios using tables, graphs, and multiplication and division strategies. [Q# 1C, 2C]	E3		
Use ratios to solve problems. [Q# 1A, 1D, 2A, 2D, 4, 5]	E4		
Make a point graph. [Q# 1B, 2B]	E7		
Make predictions and generalizations using a data table and graph. [Q# 1D]	E8		

Yes . . .

Yes, but . . .

No, but . . .

No . . .

	Yes . . .	Yes, but . . .	No, but . . .	No . . .
<b>MPE1. Know the problem.</b> I read the problem carefully. I know the questions to answer and what information is important.				
<b>MPE2. Find a strategy.</b> I choose good tools and an efficient strategy for solving the problem.				
<b>MPE3. Check for reasonableness.</b> I look back at my solution to see if my answer makes sense. If it does not, I try again.				
<b>MPE5. Show my work.</b> I show or tell how I arrived at my answer so someone else can understand my thinking.				