

Chapter 3

Performance Task (continued)

The Cost of a T-Shirt

You receive bids for making T-shirts for your class fundraiser from four companies. To present the pricing information, one company uses a table, one company uses a written description, one company uses an equation, and one company uses a graph. How will you compare the different representations and make the final choice?

The design is ready, and your job is to select the best option for ordering the shirts. The proposals from the four companies are listed below. Another slight problem is that the class officers have not decided how many T-shirts you should order.

Part 1:

Compare your options and explain which company you would select for orders from 20 to 200 T-shirts. Explain your reasoning clearly by using the correct terminology. Remember, most of the other class officers have not yet taken this class, and your class sponsor is a mathematics teacher.

Buy More Shirts

Number of shirts	20	40	60	80	100
Price (dollars)	130	200	270	340	410

Number of shirts	120	140	160	180	200
Price (dollars)	480	550	620	690	760

Cool Shirts, Inc.

We have a very easy pricing structure. We require an initial fee of \$125 to set up your screen print and get everything in place. Then the cost is only \$2.75 per shirt.

T-Shirts R Us

$$C(t) = 2x + 180$$

Part 2:

Based on what you have discovered, create your proposal to the class officers. Include how many T-shirts you think you should order, the company you would select, and what your option would ultimately cost per T-shirt.

Easy Calculation Shirts

