

Name:

ANSWERS!

Class:



Communication



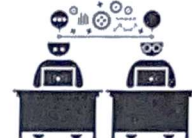
Successful Partnership



Encouragement



Solving Problem Together



Collaboration

You are ordering custom t-shirts for your student group. Below are two companies.

Each company charges a constant fee for each t-shirt they make.

Print-O-Rama

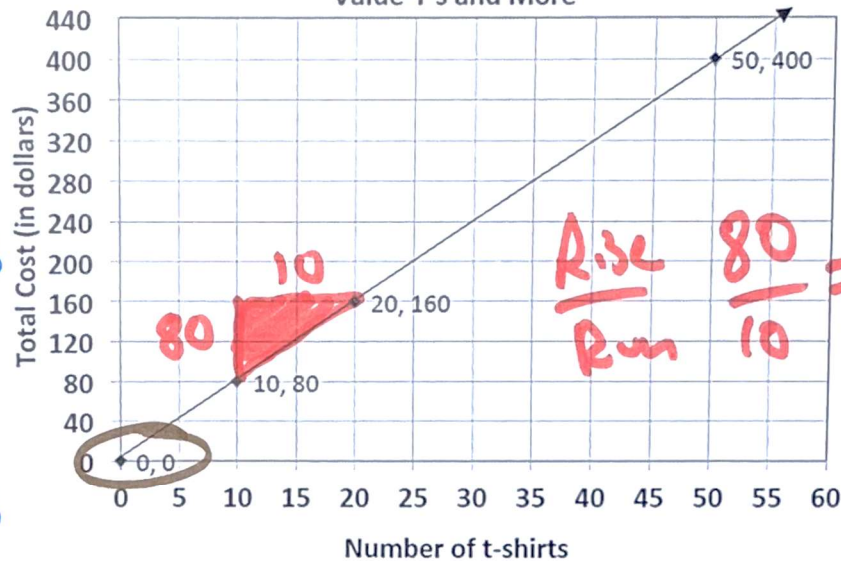
Number of Shirts (x)	Total Cost in Dollars (y)
0	0
10	75
40	300
50	375

+10

+75

Change in y / change in x =  $\frac{75}{10} = 7.5$

Value-T's and More



Rise  $\frac{80}{10} = 8$   
Run

For both Print-O-Rama and Value-T, is total cost proportional to the number of shirts ordered?

Yes!

How much does Print-O-Rama charge per t-shirt?

\$7.50

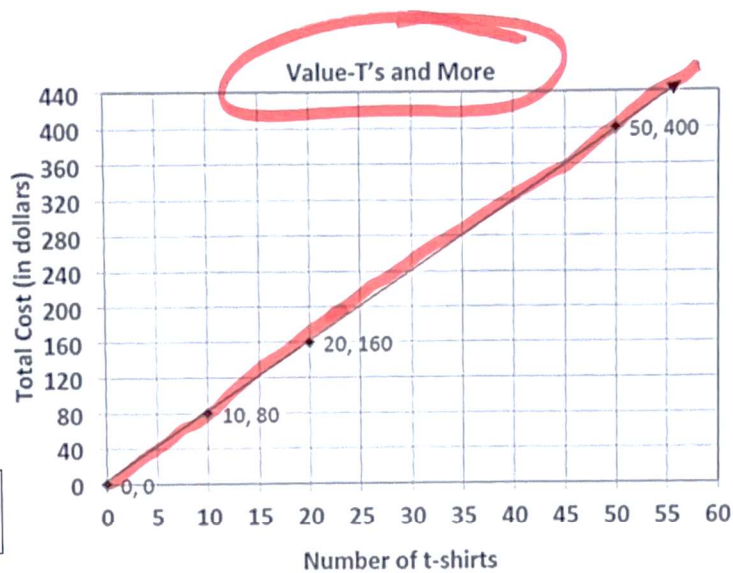
How much does Value-T charge per t-shirt?

\$8.00

Print-O-Rama

Number of Shirts (x)	Total Cost in Dollars (y)
0	0
10	75
40	300
50	375

Table and Graph as just recopied from front for convenience. 😊



Write an equation for Print-O-Rama where  $y$  is the total cost for your order and  $x$  is the number of shirts you order.

$$y = 7.5x$$

Write an equation for Value-T where  $y$  is the total cost for your order and  $x$  is the number of shirts you order.

$$y = 8x$$

You call up Print-O-Rama to make an order, but they say they re-branded as **Awesome Shirts**. Their fee structure is the same, except every order now has a one-time design fee of \$25.

Complete the table for Awesome Shirts.

**Awesome Shirts**

Number of Shirts (x)	Total Cost in Dollars (y)
0	25
10	100
40	325
50	400

Write an equation for Awesome Shirts where  $y$  is the total cost for your order and  $x$  is the number of shirts you order.

$$y = 7.5x + 25$$