

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.

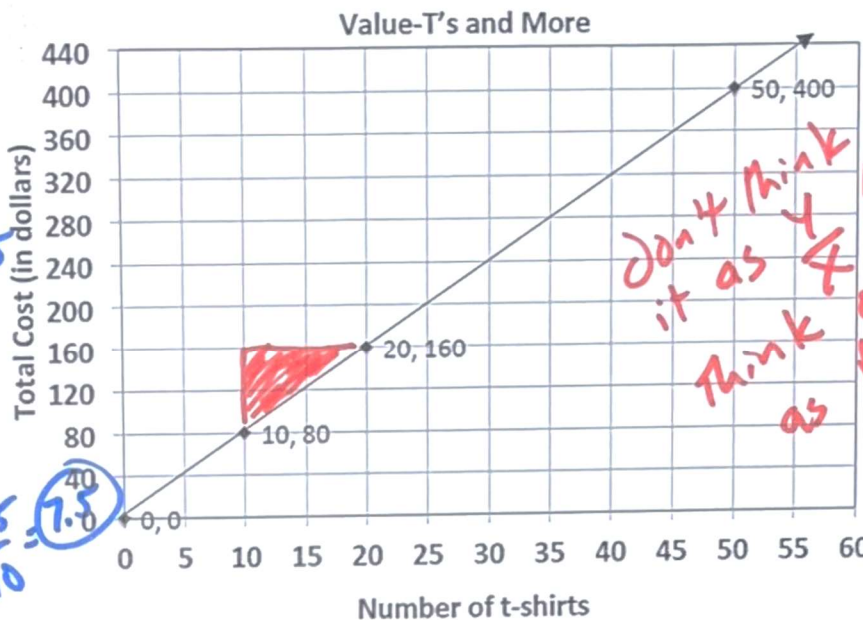
Each company charges a constant fee for each t-shirt they make.

Print-O-Rama	
Number of shirts (X)	Total cost (Y)
10	75
40	300
50	375

(0)
+10

(0)
+75

Don't think of it as $\frac{Y}{X}$! Think of it as $\frac{\text{change in } Y}{\text{change in } X} = \frac{25}{10} = 2.5$



Don't think of it as $\frac{Y}{X}$! Think of it as $\frac{\text{Rise}}{\text{Run}} = \frac{80}{10} = 8$

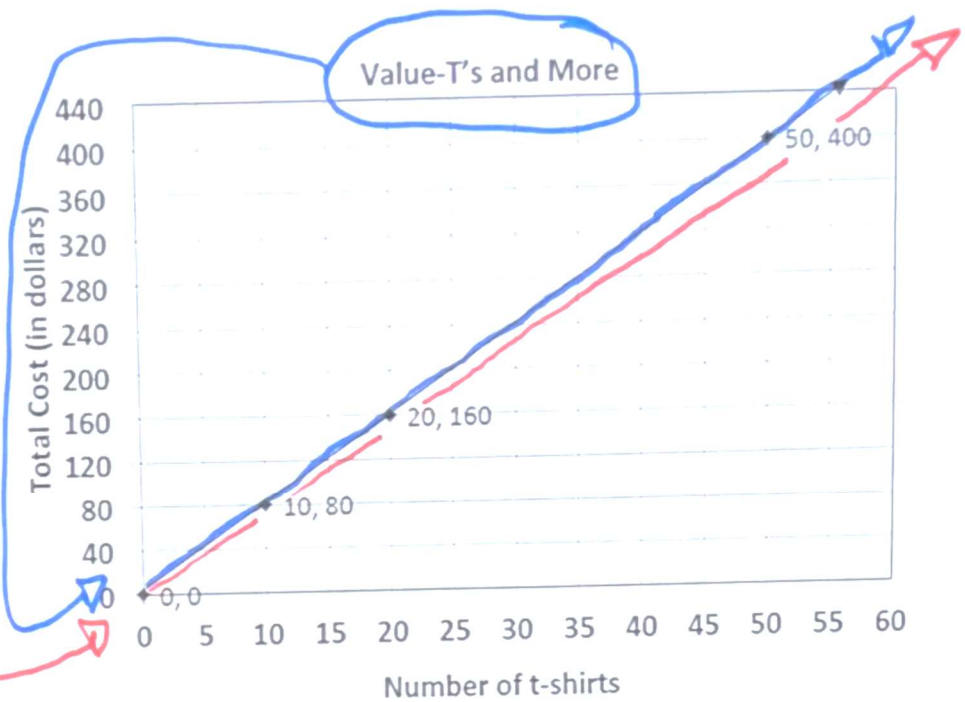
How much does Print-O-Rama charge per t-shirt?

\$7.50

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

\$8.00

Print-O-Rama	
Number of shirts (X)	Total cost (Y)
10	75
40	300
50	375



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.

$y = mx + b \rightarrow$ here "b" is zero

$y = 7.5x$

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

$y = mx + b \rightarrow$ here "b" is zero

$y = 8x$