Multiple Representations Exercise A

“Texas Pride Nut Mix”

•Jake’s grandfather loves nuts – almonds, pecans, peanuts, hazelnuts, etc.

When Jake’s family traveled to East Texas, he bought his grandfather a 1-lb bag of “Texas Pride Nut Mix” at the factory itself; the bag cost $8.00.

 •Complete the table, find the unit cost in terms of cost per ounce rather than cost per pound, graph the results, and answer the questions below the graph. (Hint: Look at the STAAR formula chart. 1 lb = \_\_\_\_\_ oz)



|  |  |  |
| --- | --- | --- |
| # of oz, x | Mathematical Process | Cost, c |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 8 |  |  |
| 10 |  |  |
| \_\_\_\_\_\_ |  | $8.00 |
| x | (description) | (equation)  |

Record the unit

cost per oz here.

Use 1 ounce for the x-scale &

$0.50 for the y-scale.

y

x

Is this a proportion? \_\_\_\_\_\_

 (Why or why not? Prove it.)

➀ At this rate, what would be the cost of 12 ounces of this nut mix?

➁ At this rate, how many ounces of this nut mix could you get for $2.00?