

Cheese Goldfish

While at the store I noticed three different cheese goldfish products. I have listed the product, prices and amount of goldfish in ounces in the table below:

Product	Price	Total Ounces
Bag of Goldfish	\$2	6 oz
Box of nine mini-packs of Goldfish, each 1 oz	\$5	9 oz
Big box of Goldfish	\$7	30 oz

1. I am planning on consistently buying cheese goldfish snacks for my school lunch and my snacks. I don't want my parents to think that the goldfish are too costly, so I need to get a good deal. I also don't know if I will be able to eat a big box of Goldfish before they go bad, so I am a little worried that I could be wasting by getting the big box. Create **ratio tables** for each Goldfish product to help me determine which product to buy.

Make ratio tables comparing cost and ounces for each of the three Goldfish products. In each ratio table find various cost/ounce relationships. Compare the three products based on the same amount of ounces or the same price.

Bag:

cost								
ounces								

Box:

cost								
ounces								

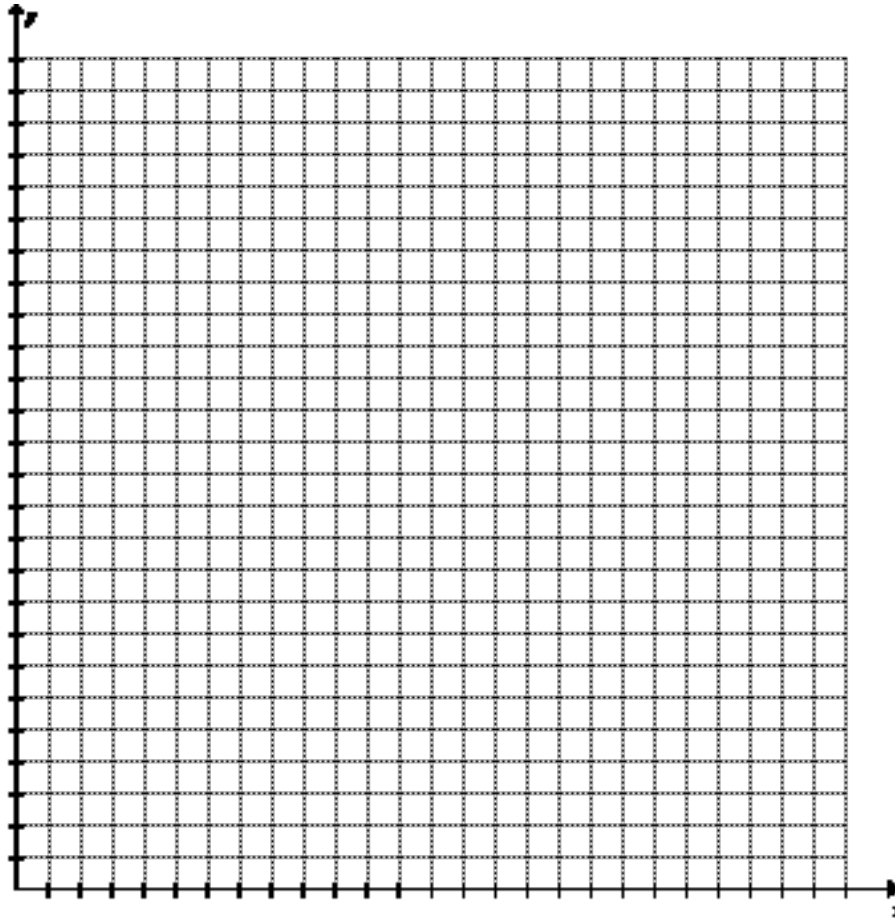
Big Box:

cost								
ounces								

2. Find a unit rate for each product. Make sure to describe the units involved. Did you find cost per one ounce or ounces per one dollar?

3. Which product gives you the best deal on Goldfish? Use your findings in your ratio tables to show how you know.

4. We can visually represent the cost per ounce of the three products on a graph. Graph all three cost-per ounce relationships on the grid below. Carefully select your scales.



5. How can you determine the unit rate or constant of proportionality of each product by looking at the graph of the product?

6. Which, if any of these products demonstrates a proportional relationship between the cost and number of ounces of goldfish? For each, tell how you know.

7. A warehouse savings club may sell a giant box of Goldfish at an ever cheaper cost per ounce than the big box of Goldfish. Determine a box size in ounces and a cost that has a lower price per ounce than the big box of Goldfish. Give the total ounces of Goldfish in the box, the cost of the box, and either the price per ounce or number of ounces per dollar in this box.