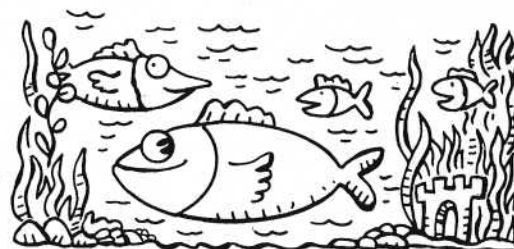


# A Fish Story

**Sale Price, Sales Tax, and Simple Interest Review**

When his parents told him they were buying an aquarium for the family room, Jason was willing to help set it up. He soon found out that more goes into a fish tank than just fish. Solve the following problems. If necessary, round your answers to the nearest cent.



**1** One tank Jason's parents considered buying held 50 gallons of water and cost \$209.69. It was discounted 25%. What was the amount of the discount?

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What was the sale price of this tank? \_\_\_\_\_

His parents would also have to pay a sales tax of 3.5%. What was the total cost of the tank?

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**2** To complete the aquarium, they needed to buy several items:

air pump, \$54.99

power filter, \$46.99

heater, \$26.95

light, \$14.79

5 bags of gravel at \$1.89 each

Sales tax on these items was 3.5%. What was the total cost of these items?

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**3** After considering buying the tank and equipment separately, Jason's father considered buying a complete aquarium system. This included a 60-gallon tank and all of the other necessary equipment. It even included fish that would be

shipped after the aquarium was set up. The cost of this complete aquarium was \$495.79. If Jason's parents decided to buy this system, they could pay \$100 now and borrow the rest of the cost at an interest rate of 8% for 3 years. How much interest would they pay for the amount they borrowed?

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How much would they pay in all for this system? \_\_\_\_\_

**4** After successfully setting up an aquarium in the family room, Jason would like to set one up in his room. He can buy a 30-gallon tank with all the necessary equipment at a local store. The list price is \$89.95, but the store offers a discount of 15%. He would have to pay 3.5% sales tax. On an Internet site, he can buy the same aquarium and equipment at  $\frac{1}{4}$  off the list price. There is no sales tax, but he would have to pay \$10 for shipping. If you were Jason, which would you choose? Explain.

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