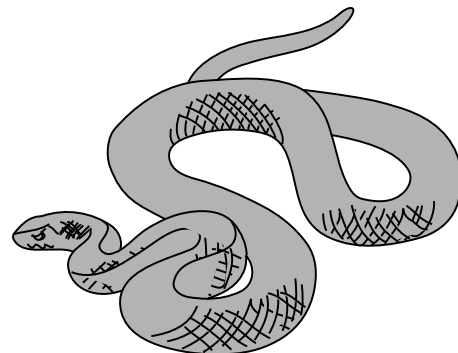


4-3**Real-Life Career Activity****Store Owner**

A reptile store is a pet store that specializes in selling reptile and amphibian pets. Pets might include snakes, iguanas, lizards, geckos, turtles, tortoises, and frogs. This type of pet store usually sells the live food that many of these reptiles eat, including crickets. Reptile stores usually order the crickets from a mail-order company. There are many mail-order companies supplying crickets, so a reptile store owner must compare their rates to see which is the best buy.



Suppose Company A charges \$8.55 for 100 crickets, while Company B charges \$8.99 for 120 crickets. Which company has the lower price?

The reptile store owner cannot compare the charges because they are for different quantities. The owner must calculate the cost per cricket.

$$\text{Company A: } \$8.55 \div 100 = \$0.085 \text{ per cricket}$$

$$\text{Company B: } \$8.99 \div 120 = \$0.075 \text{ per cricket}$$

Company B's cost per cricket is lower, so Company B has the better buy.

Solve. Round to the nearest cent.

1. Company A charges \$11.99 for 100 jumbo crickets, while Company B charges \$13.15 for 120 jumbo crickets. Which is the better buy?

Company A: \$ _____ per cricket

Company B: \$ _____ per cricket

2. Company A charges \$4.99 for 100 tiny crickets, while Company B charges \$6.99 for 120 tiny crickets. Which is the better buy?

Company A: \$ _____ per cricket

Company B: \$ _____ per cricket

3. Company A charges \$65.99 for 500 medium crickets. What is the cost per cricket? Round to the nearest cent.