

Writing and Solving Equations Practice

For Exercises 1–3, use the table on the left that shows the price list of golf balls. For Exercises 4–6, use the table to the right that shows the amount of each kind of marine life in Bunito’s saltwater aquarium.

Price List of Golf Balls		
Brand	Dozen	3-Pack
Spinners	\$10	\$3
Fly-Boys	■	\$4
Max Flight	\$12	■

Bunito’s Saltwater Aquarium	
Clown fish	■
Sea urchins	■
Seahorses	16
Starfish	9

<p>1. The cost of a dozen Spinners is one sixth the amount of money Ibon brought to the golf course. Write and solve a division equation to find the amount of money Ibon brought to the golf course.</p>	<p>2. The price of a 3-pack of Spinners is one third the price of a dozen Fly-Boys. Write and solve a division equation to find the price of a dozen Fly-Boys.</p>
<p>3. Three golfers decide to split the cost of a 3-pack of Max Flight. Each golfer’s cost is \$1.50. Write and solve a division equation to find the price of a 3-pack of Max Flight.</p>	<p>4. The number of starfish is 3 times the number of clown fish. Write and solve a multiplication equation to find how many clown fish are in the aquarium.</p>
<p>5. The number of seahorses is 4 times the number of sea urchins. Write and solve a multiplication equation to find how many sea urchins are in the aquarium.</p>	<p>6. The total cost of the starfish was \$7.20. Write and solve a multiplication equation to find how much one starfish cost.</p>

Write the equation indicated for each problem. Then, solve the equation and check your solution.

<p>1. The lifespan of a black bear is 3 years longer than the lifespan of a zebra. If a black bear's lifespan is 18 years, write an addition equation that you could use to find the lifespan of a zebra.</p>	<p>2. PAGES Marquis read 230 pages of a novel in 5 hours. Write and solve a multiplication equation to find how many pages he read in one hour.</p>
<p>3. The lifespan of a guinea pig is 8 years shorter than the lifespan of a puma. If a guinea pig's lifespan is 4 years, write a subtraction equation that you could use to find the lifespan of a puma.</p>	<p>4. At the end of a soccer season, four families decide to buy the coach a gift certificate to a sporting goods store. Each family contributes \$35 towards the gift certificate. Write and solve a division equation to find how much the gift certificate is worth.</p>
<p>5. A survey of teens showed that teens in Pittsburgh aged 12–17 spend 15.8 hours per week online. Teens in Miami/Ft. Lauderdale spend 14.2 hours per week online. Write and solve an addition equation to find the difference in time spent online by teens in these cities.</p>	<p>6. There are 8 competitors in each ring for a tae kwon do tournament. If there are 96 competitors in the tournament, write and solve a multiplication equation to find how many rings they need for the competition.</p>
<p>7. The McClarens sold their house in Orlando, Florida, for \$300,000. They split the income evenly among their four children. Write and solve a multiplication equation to determine how much each child earns.</p>	<p>8. Mary wants to put 4 geraniums in each pot. If she has 8 pots, write and solve a division equation to find how many geraniums she should buy.</p>