

# Chapter 3 Review Exercises

## Section 3.1



**Oiled Birds** In Exercises 1 and 2, use the information below.

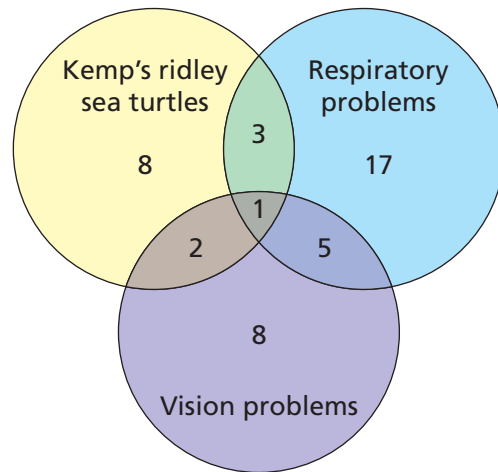
Birds were collected in areas affected by the Deepwater Horizon oil spill in the Gulf of Mexico. Through November 2, 2010, a report indicates that of the birds collected, 4342 were visibly oiled, 6104 were dead, and 2263 were *both* visibly oiled and dead.

1. Draw a set diagram that shows the information.
2. How many birds were found visibly oiled *or* dead?

**Kemp's Ridley Sea Turtles** The set diagram shows characteristics of sea turtles upon arrival at an oil spill rehabilitation center. In Exercises 3–6, use the set diagram.



Kemp's ridley sea turtles are an endangered species. They were adversely affected by the 2010 Deepwater Horizon oil spill, as they lay eggs on Mexican beaches and forage from the Yucatan Peninsula to southern Florida.



3. How many are Kemp's ridley sea turtles?
4. How many are not Kemp's ridley sea turtles?
5. How many sea turtles have respiratory problems *and* vision problems?
6. How many sea turtles have respiratory problems *or* vision problems?

**U.S. Coast Guard** In Exercises 7 and 8, use the information below.

The U.S. Coast Guard (USCG) sends British Petroleum bills that demand payment for equipment and personnel costs incurred due to the Deepwater Horizon oil spill. Information regarding bill #9 from January 11, 2011, is shown.

7. Draw a set diagram that shows the information.
8. How much did the USCG charge for the use of its personnel?

<b>Nov/Dec 2010</b>	<b>Costs: \$9,843,486.77</b>
Equipment Costs:	
• USCG Aircraft:	\$25,623.00
• USCG Vehicle:	\$43,484.92