



Problem Solving: Break a Problem into Parts

CA Standards
MR 1.2, **KEY** AF 1.3

Write an expression with parentheses for each problem. Then solve the problem.

1. A Southern Sea Otter male weighs 64 pounds. A female sea otter weighs 44 pounds. How much do 2 males and 3 females weigh altogether?

2. How much more would 3 males weigh than 3 females?

3. The sea otter spends each day performing 3 basic activities: feeding, grooming, and resting or sleeping. The sea otters spend 8 hours a day feeding and 5 hours a day grooming. How many hours a day does the sea otter rest or sleep?

Use the information in the table to answer problems 4 – 6. Write an expression with parentheses for each problem. Then solve the problem.

4. How many more adults and pups were counted in 1995 than in 1990?

Southern Sea Otter Census		
Year	Adults	Pups
1990	1,466	214
1995	2,095	282
2000	2,053	246

5. The Southern Sea Otter is threatened with extinction. According to the information on the table, is the population of sea otters increasing or decreasing? Explain your answer.

6. The sea otter census is taken from the shore by two-person teams using binoculars and by two-person teams in airplanes flying over the ocean. If the shore teams in 1995 counted 1,007 adults and 152 pups, how many otters were counted by the airplane teams?
