Problem-Solving Strategy: Guess and Check

Use guess and check to solve each problem.

1. The Jacksons have pet dogs named Beau and Max. Beau is 2 years older than Max. The sum of their ages is 16 years. How old is Beau? How old is Max?

2. Together, Misty and Keith caught 29 fish this summer. Keith caught 5 fewer fish than Misty. How many fish did Misty catch? How many fish did Keith catch?

3. The Nature Center has 50 reptiles and birds on exhibit. There are 20 more birds than reptiles. How many reptiles are on exhibit at the Nature Center? How many birds?

4. Koalas and sloths are very sleepy animals. Together, a koala and a sloth can sleep 42 hours a day. Suppose a koala sleeps 2 hours more than a sloth. How long does each animal sleep?