PROBLEM SOLVED
MAKING SENSE OF MATHEMATICS

Solve each of the following problems. Be careful, not all of the situations represent division problems.

1. A cheetah runs at a speed of 112 kilometers per hour. A chicken runs at a speed of 14 kilometers per hour. About how many times faster is the cheetah than the chicken?

2. A hunting dog can run about three times as fast as a wild turkey. A wild turkey can run at a rate of 24 kilometers per hour. What is the speed of a hunting dog?

3. Dixie rides her bike to work whenever it isn't raining. She rode her bike to work 21 days in September. She lives 7 miles from work. How many miles did she put on her bike riding to and from work each day?

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4. Jared traveled 475 miles on the interstate in approximately 8 hours. What was his average speed? Round your answer to the nearest whole number.

5. A Peregrine falcon can fly about 18 times faster than a bat and about 6 times faster than a sparrow. A Peregrine falcon can fly at a speed of 216 miles per hour. What is the speed of a bat? What is the speed of a sparrow? How can you find the speed of a sparrow without using division?

6. Sherman wants to ride his bike from the Missouri river to the Mississippi river. The route he selects is 462 miles long. How many miles must he average each day if he wants to complete the trip in seven days? How many extra miles must he average each day if he wants to complete the trip in six days?