

# Problem-Solving Strategy:

## Work Backward

**Problem** Gregory collects animal trading cards. In his collection, he has twice as many cards of dogs as cards of cats. He has 5 more cards of cats than of birds. The number of cards of wild animals is 13 more than the number of cards of dogs in his collection. He has 75 cards of wild animals. How many cards of birds are in Gregory's collection?

**UNDERSTAND**

1. What type and quantity of cards do you know from the problem?

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**PLAN**

2. How can you use the Work Backward strategy to solve the problem?

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**SOLVE**

3. How many cards of birds are in Gregory's collection?

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**LOOK BACK**

4. **Write About It** How can you check your answer?

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