Problem Solving: Act It Out and Use Reasoning

Ask Yourself...
What do I know?
What do I need
to find out?

Solve. Find the number of each kind of object in the collection.
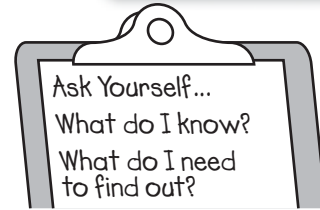
1. Sue's Card Collection

8 packs of baseball cards
3 fewer packs of hockey cards
than football cards
17 packs in all

Baseball cards = ☐

Hockey cards = ☐

Football cards = ☐

2. Drew's DVD Collection

7 comedy DVDs
4 more drama DVDs than horror
DVDs
15 DVDs in all

Comedy DVDs = ☐

Drama DVDs = ☐

Horror DVDs = ☐

3. Strategy Practice Mike is 8 years older than Kyle. Kyle is 6 years old. The sum of Mike's, Kyle's, and Jamal's ages is 23. How many years old is Jamal?

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4. Miranda has 24 CDs in her collection. Of those CDs, 10 are pop CDs. She has 6 more country CDs than jazz CDs. How many country CDs does Miranda have?

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5. Curt has 12 models in all. Three of the models are airplanes. Curt has 5 more models of cars than boats. How many models of cars does Curt have?

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6. Stevie, Lindsey, and Christine are the lead singers in a band. They will sing 18 songs. Lindsey will sing 8 songs. Christine will sing 6 fewer songs than Stevie. How many songs will Stevie sing?

A 2   **B** 4   **C** 6   **D** 8

Practice **9-8**