

Penguins

With a partner discuss this problem and the questions below.

A group of penguins was sunning themselves on the beach. 12 jumped in the water. Then there were 22 on the beach.

How many were on the beach before the 12 left?

Jeane had 48 books on her bookcase. After she cleaned her room, she found some more books and put them on her shelf.

When she counted all the books there were 74 in all. How many books did Jeane find and put on the shelf?

How are the problems alike and how they are different?

How might students model these problems with equations?

Some students will use addition and others will use subtraction to get solve these problems. What will teachers need to do during class discussions?

Are both approaches appropriate?

What other ideas do you have?

