

Working with a partner, can you solve the following problem?

## Pigs and Ducks

Jennie the old sheep dog is lazing around in the paddock near the house. She counts the number of animals in the paddock. There are 11 of them, pigs and ducks. Then her eye runs over the legs. She sees 28 legs. How many ducks are there?



- Share your strategy for solving the problem with your group
- What if Jennie saw 32 legs? How many animals could she have seen?
- What if we changed the problem from pigs and ducks to horses and riders, or tricycles and bicycles?
- Can you come up with two problems of your own?

**Strand:** Number

**Strand unit:** Operations

**Objective:** Know and recall addition and subtraction facts; Solve word problems using addition and subtraction; Develop an understanding of multiplication as repeated addition

**Skill:** Applying & Problem Solving; Communicating & Expressing; Integrating & Connecting; Reasoning; Implementing, Understanding & Recalling