

Pet Shop Keeper

Summary

This is a math task. It relates to Standard 1.OA.6 in the 2010 Utah Core Standards.

Main Core Tie

Mathematics Grade 1

[Strand: OPERATIONS AND ALGEBRAIC THINKING \(1.OA\) Standard 1.OA.6](#)

Materials

Task Sheet TTLP Sheet for Lesson Plan

Background for Teachers

See TTLP and Curriculum Guide 1.OA.6

Student Prior Knowledge

See Critical Background Knowledge in the Curriculum Guide for 1.OA.6.

Intended Learning Outcomes

Mathematical Practices 1, 2, 5, and 7 are likely to be used in this task.

Instructional Procedures

LAUNCH: You own a pet store. You have eight parrots and need to buy some canaries. You need 12 birds all together. How many canaries do you need to buy?

EXPLORE: Have students gather materials they may need to determine the missing number of canaries. Have students begin working by themselves. Then encourage the students to share their thinking with another student. Record solution(s) to share with the class.

DISCUSS: During exploration teacher will identify students using various strategies and choose examples of strategies ranging from concrete to abstract (manipulatives, pictures, number sentences, etc). Students will share with the class. Using the document camera or smart board students will present strategies.

ADDITIONAL TASKS:

Task 2 - It is time to buy more birds. You decide to buy three kinds of birds: parrots, canaries, and finches. You still have room in the birdcage for only 12 birds. How many of each type of bird will you buy?

Task 3 - You get a new cage, so now you can have more birds. Roll one die to see how many kinds of birds you can have. Draw a number card to see how many birds you will have all together. What birds will you buy? (You must buy some of each kind of bird.)

Strategies for Diverse Learners

Can you draw it?

What tools do you have?

Tell me about your thinking so far.

Provide alternate numbers

Extensions

Show your answer in another way?

Can you do the task again using different numbers?

Can you help another student to understand what you did to solve this problem?

Bibliography

Pat Nixon, Carol Nixon, Becky Stahl

Authors

[Casey Robles](#)

[DAVID SMITH](#)