

Interactive Whiteboard Lesson

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Learning area:

Mathematics

Strand: Maths/Understanding fractions, Maths/Understanding operations, Maths/Calculate

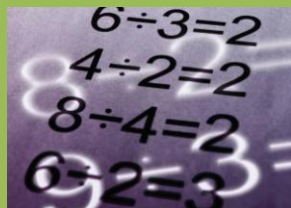
Concepts: Maths

- ❖ Division
- ❖ Multiplication
- ❖ Prediction
- ❖ Remainders
- ❖ Sharing
- ❖ Fractions
- ❖ Whole numbers
- ❖ Number sentences

Year level: 2 - 4

Key learning Objectives:

- ❖ Students model division as both sharing and grouping (repeated subtraction).
- ❖ Students interpret remainders (as whole numbers or fractions) in relation to the context of a problem.



Source: Curriculum Council. 2006. *Divide it up: puppies*. The Learning Federation Website: <http://econtent.thelearningfederation.edu.au> Retrieved May 15, 2011



Learning Federation

L2808 Divide it up: puppies

<http://econtent.thelearningfederation.edu.au/ec/viewing/L2808/index.html>

Lesson

Year Level 2

Lesson Duration 45 Minutes

Lesson Overview

The brightly coloured animated puppies require objects to be shared amongst them. A problem is worded where items are shown in a box and a prediction is to be made as to how many of these items a number of puppies will receive. The student can see the items swish into place above each puppy and is asked about any remainders. The numerical equation for the question shows on the screen. If correct with all predictions and the numerical sum, the animated puppies can be seen and heard dancing and applauding across the bottom of the screen.

Resources

- Interactive whiteboard, data projector, computer.
- Internet connection
- Learning Federation Account

Lesson Outline

- Start program and select suitable student to read aloud the instructions.
- Go through the instruction process as though first time for each student, to refresh those unsure.
- A student chooses the breed of puppy and reads aloud the problem.
- Ask students to predict answer, and fill answer box. Continue puzzle process to the end.

Student Activity

- Students to be divided into groups of 4 (build on division concept in puzzle).
- Each group has a turn at one puzzle while remaining groups watch.
- Remaining groups asked their predictions prior to answers being checked.

