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Extension Math Series

Book 3

Extending and consolidating student skills
in the areas of number, measurement,
space and problem solving.

Activities designed for students working at
Primary Level.

For grades 3-4

Written by David Stephenson.

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Introduction

The **Extension Math** series was first published as the “Top-Up Series” in 1995. The series is designed to provide extension and enrichment for early finishing or advanced primary-aged children - to extend their skills in mathematics.

This updated book, **Extension Math Book 3**, contains a range of extension activities that will prove both stimulating and challenging for young mathematicians.

The book concentrates on providing a variety of important problem solving skills with which young children need to be acquainted. Amongst these skills are:

- * Pattern perception;
- * Developing logical thinking;
- * Using number concepts to develop logical thinking;
- * Codes;
- * Problems using money;
- * Number activities;
- * Problems using grids;
- * Problems developing visual imagery.

The specific breakdown of Links to Math Outcome Statements can be found on Page 4 of the book.

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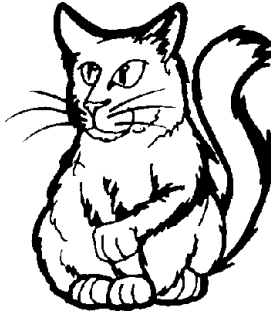
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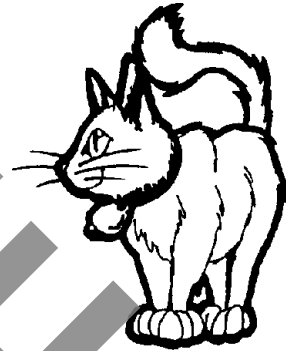
Related Standard: Students use clues and logical reasoning in order to solve a problem.

Pet Show Mix-up

- At a pet show all the cats were left uncaged. You have been asked to help round them up.

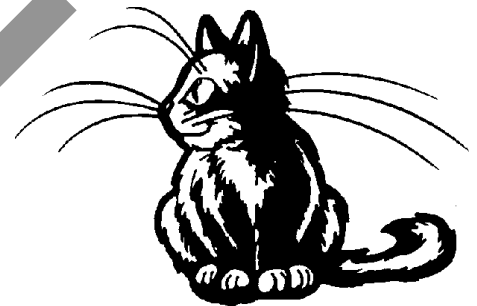












- Use the clues to write the name of each cat on its label.
 - * 'Pretty' is a long whiskered cat who wears a bell.
 - * 'Tabby' is not tabby, while 'Bert' is.
 - * 'Prince' never sits down, which is annoying because of his bell.
 - * 'Mopsy' and 'Moggy' are both dark colored cats.
 - * 'Moggy' does not have long whiskers.

Problem

If all the cats ate $\frac{1}{3}$ of a can of food each day, how many cans of food would you need to feed them for one week?

.....

- Which cat would you choose as a pet and why?

.....

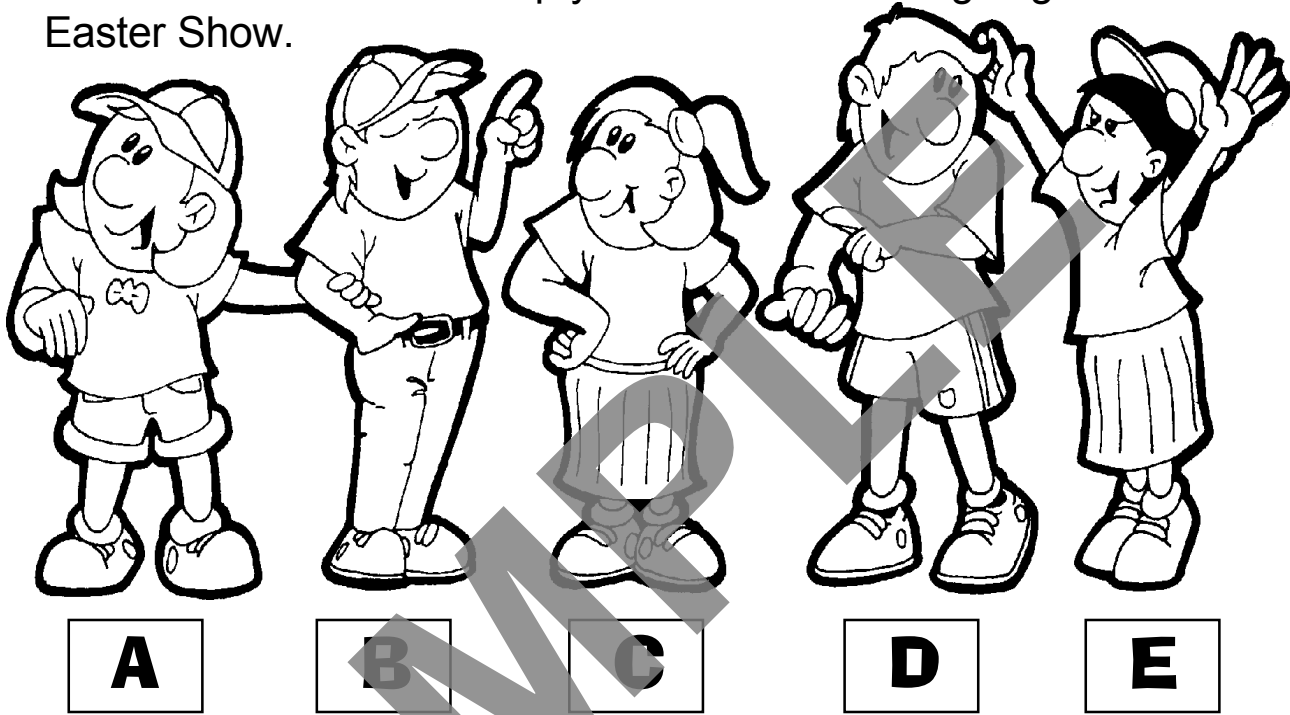
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Name

Related Standard: Students use clues and logical reasoning in order to solve a problem.

Who is Going to the Show?

- Use the clues below to help you work out who is going to the Easter Show.

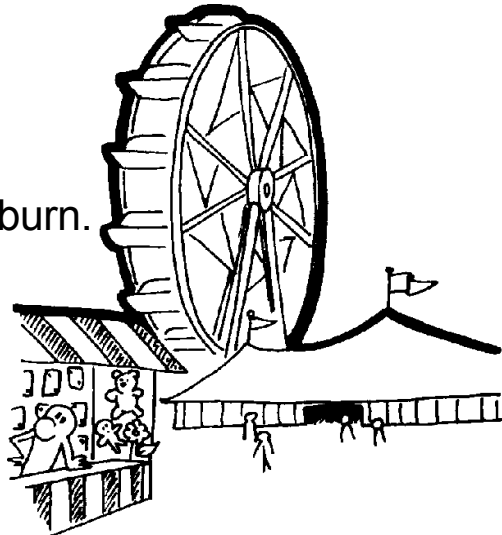


- Clues
 - * The child is well protected to avoid sunburn.
 - * The child is not wearing a dress.
 - * The child is wearing shorts.

The child going to the show is

.....

Color the girls that are **not going** in red and green.
 Color the boys that are **not going** in blue and gold.



Problem

If showbags cost \$6.50, \$7.50 and \$8.00, how much will I pay if I get one of each?

.....