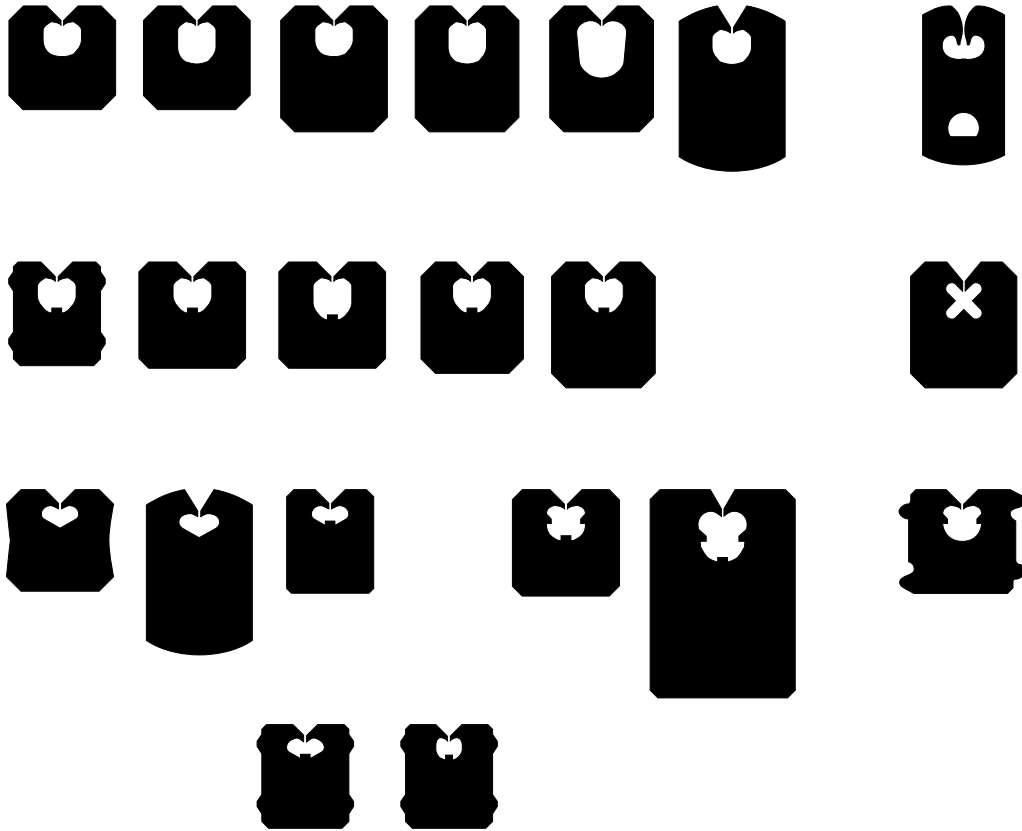


Plastic Bag Seals - Concept List



As they would appear on a screen using an overhead projector

Some of the concepts that can be addressed using Plastic Bag Seals

ABACUS
 ARRAYS
 EARLY NUMBER
 Auditory Memory
 Conservation
 Counting
 Pattern
 Visual Discrimination
 Visual Memory
 DECIMALS
 ESTIMATION
 Length
 Number
 FRACTIONS
 Common
 Equivalent
 Multiplication

GRAPHS
 Picture
 MEASUREMENT
 Area & Perimeter
 Length
 Mass
 NUMBER
 Place Value
 Number Facts
 Number Sentences
 Composite & Prime
 Odd & Even
 Ordinals
 Rounding
 Square
 Triangular

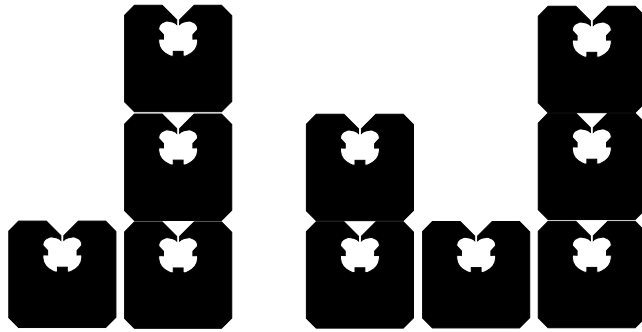
NUMBER LAWS
 Associative
 Commutative
 Distributive
 OPERATIONS
 Addition
 Division
 Multiplication
 Subtraction
 PERCENTAGES
 PROBABILITY
 PROBLEM SOLVING
 Addition
 Area
 Decimals

Division
 Fractions
 Graphs
 Length
 Mass
 Money
 Multiplication
 Percentages
 Perimeter
 Ratio
 Subtraction
 Time
 RATIO
 SYMMETRY
 Mirror
 Rotational

A Sample of Illustrated Concepts

ABACUS

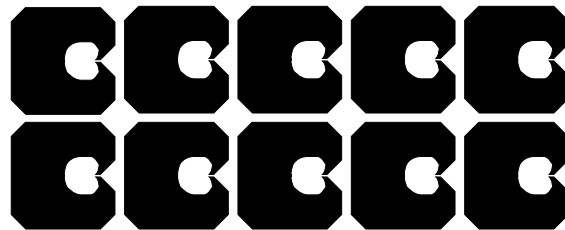
"What number is represented by the abacus?"
 "How many hundreds are there altogether?"
 "How many more hundreds would I need to make a four in the thousands place?"



ARRAYS

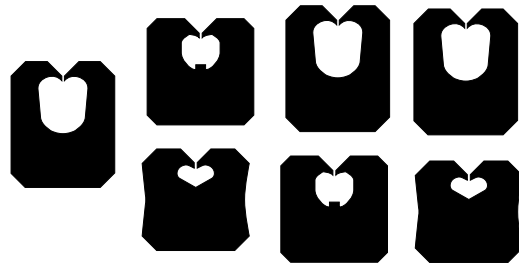
As well as addition and subtraction facts, the following number facts can be demonstrated using the array:

$$\begin{array}{ll} 2 \times 5 = 10 & 5 \times 2 = 10 \\ 10 \div 2 = 5 & 10 \div 5 = 2 \\ 1/2 \times 10 = 5 & 1/5 \times 10 = 2 \end{array}$$



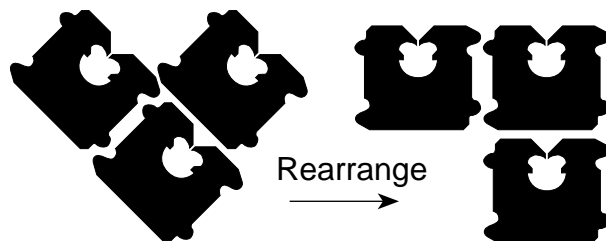
AUDITORY MEMORY

With the OHP off say, "Two hearts, three big apples and one apple with a bite."
 Turn the OHP on and say, "What did I say that was wrong?"



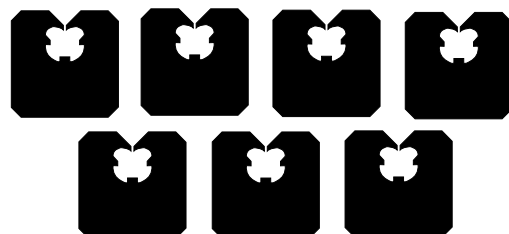
CONSERVATION OF NUMBER

Count to confirm three seals then rearrange them and say, "Do I have the same number of seals?" Count again to verify that 'three' has been conserved.



COUNTING

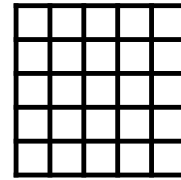
Pupils count together as seals are placed on the OHP one at a time. Count again in a different order once all have been placed.



A Sample of Illustrated Concepts

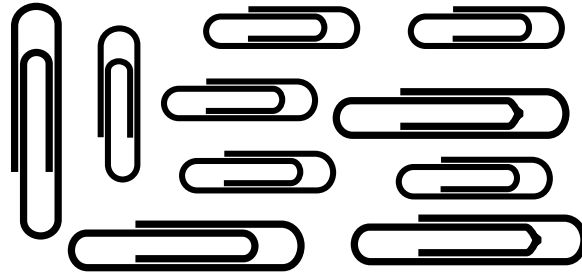
AREA & PERIMETER

"Let's pretend that each small square is one square centimetre."
"What is the total area of the shape?"
"What is the perimeter of the shape?"
"If I had three of these shapes joined end to end what would be the total area and perimeter of the new shape?"



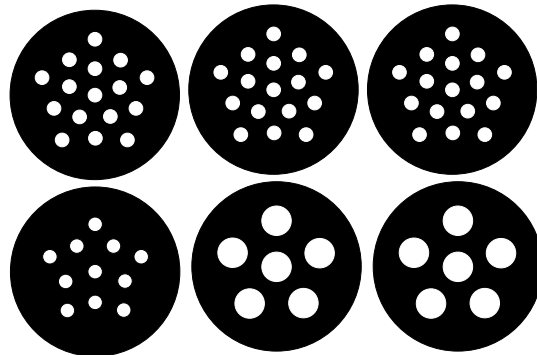
FRACTIONS

"What fraction of the paper clips are large?"
"What decimal of the paper clips are small?"
"What percentage of the paper clips are vertical?"



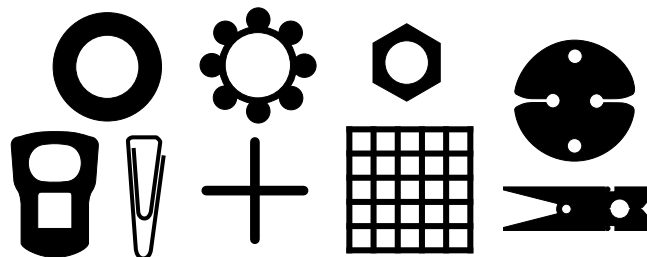
PROBABILITY

"If each of these spice tops was placed in a separate match box and the boxes shuffled, what would be the chances of someone selecting a box containing one with six holes?"
"If they chose a box containing a top with sixteen holes and you didn't replace it, then what would be the probability of them selecting a box containing one with six holes?"



SYMMETRY

"How many axes of symmetry do these shapes have?"
"Which shapes have rotational symmetry?"



VISUAL MEMORY

Place objects on the OHP and turn it on. Allow children to look at the objects for a short while. Turn the OHP off and remove one of the objects. Turn the OHP on again for a short while. Children then guess which object is missing.

