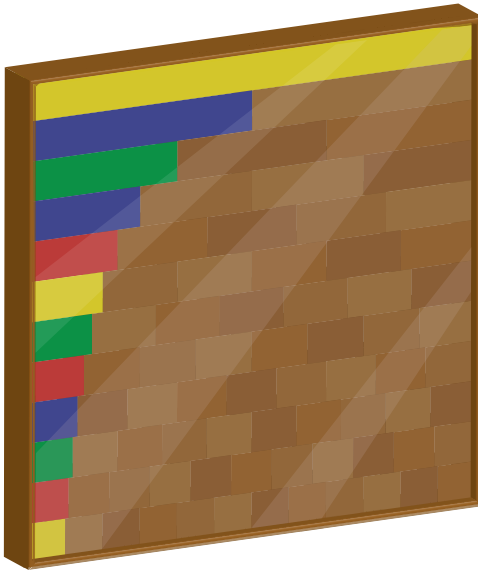


Fraction Board (Product ID: LAB -003)

For **8** years and above



Contains 78 fractional bars, a wooden box frame and a user manual

Color Scheme, Shape, and Quantity:

Square shaped base-frame with polished wooden pieces, indicating a whole and parts (from halves up to a twelfths), with one of each part (unit-fraction) colored in a primary color.

Dimensions:

Box size: 7.5" x 7.5" x 0.75"

Materials:

Wood and fiber board

Uses for learning and intellectual development:

- What is a whole and what are its parts?
- Finding names of parts.
- How do we measure multiples of a part (sum)?
- From a given part how to estimate whole?
- From a multiple of parts how to get a whole?
- How fractions greater than whole may look like?
- What are equivalent fractions, same size different number form?
- What is fundamental law of fractions?
- How can unlike parts be added together?
- Representing numbers in ratio and giving them names?
- What if whole changes, what will parts be named?
- Making puzzles – on rate, ratio, proportions, comparing, and sorting fractions.

Safety & Quality:

This tool is safe to use. It is light-weight and has no sharp edges. No harmful substances have been used in making it. It is safe for children of recommended age.

Support:

For any feedback, suggestion, query or complaint, please contact.

Environment:

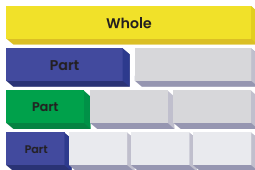
We are conscious of impact of our activities on nature. The objective behind making re-usable tools with local materials is to minimize its impact on environment for a sustainable living of human and non-human species.

Email:
hr@elements-learning.com

Ideas for Maths activities

Whole and Parts

- Given a whole, can you find n-th part?
- Given n-th part, can you find its whole?
- What is greater $1/a$ or $1/b$ and why?
- Does there always lie a fraction between two fractions?
- Given a/b , can you find a whole?
- Give a whole, can you find a/b ?



Making Numbers in Ratio Form

- How many ways we can write whole (one)?
- How many ways we can write zero?
- How many ways we can write a/b ?
- Can any natural number be written in ratio form?
- What pattern we see in upper (numerator) and lower (denominator) for numbers greater than a whole, less than a whole (i.e. part), equal to a whole?



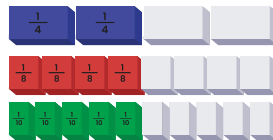
Comparing Fractions

- What is relative size of parts?
- How to compare against benchmarks?
- How to estimate size in fractions?
- When is it difficult to compare two fractions?



Equivalent Fractions

- How many fractions lie between zero and one on the fraction board?
- Are some of them showing same quantity?
- When a/b is equal to c/d , what pattern can we induce?



NOTE: These are sample activities to start learning Maths fun with this tool.

Many interesting ideas on Maths-learning activities are given in booklets (to be separately purchased). The content of booklet are research based, designed for accelerated learning)