

MATH CUBES™

SHAPE, LENGTH & AREA

ACTIVITY GUIDE

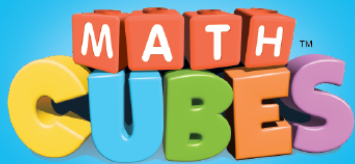


30
ACTIVITIES!

MCIII

Ages 6+





BUILD AND LEARN

SHAPE, LENGTH & AREA

ACTIVITY GUIDE

This kit contains 1 Geoboard, 12 Prisms, 30 Multicubes, 20 rubber bands, and 15 dual-sided activity cards. This set is structured to help students comprehend and excel in understanding shape, length, and area. The Geoboard, Prisms, Multicubes, and rubber bands act as tactile and visual aids, enhancing the learning journey.



How to use

This kit is designed to be intuitive and easy to use.

- Begin by exploring the 15 double-sided activity cards, combining 30 progressively challenging activities along with visual guides and step-by-step instructions.
- Utilize the Geoboard, Prisms, and Multicubes to explore various geometric shapes, lengths, and areas, arranging the components as needed to create specific figures.
- Follow the instructions on the cards where provided, and try to answer the associated questions. This will help reinforce the understanding of geometric properties, measurement concepts, and spatial reasoning.
- Feel free to explore and experiment beyond the cards, using the Geoboard, rubber bands, and Multicubes to create your own geometric shapes and challenges.
- Use the Prisms, Multicubes, and other components as tactile tools to help visualize and understand how shapes are formed, and how length and area can be measured and compared.

**CUBES
INCLUDED**



Multicubes



Prisms



Geoboard

CONTENTS:

15 Double-sided Activity Cards

- 1 Geoboard
- 12 Prisms
- 30 Multicubes
- 20 Rubber Bands

ACTIVITY CARDS

1. Length Explained
(Answer. Blue = 5 , Red = 7)
2. Width Explained
(Answer. Blue = 2 , Red = 3)
3. Calculating Length
(Answer. A. = 2 B. = 5 C. = 6 D. = 3)
4. Calculating Length
(Answer. 9)
5. Which is Longer?
(Answer. Green)
6. Area Explained
(Answer. Blue = 8, Red = 9)
7. What is the Area?
(Answer. 14)
8. Fill the Rectangle
(Answer. 30)
9. Perimeter Explained
(Answer. 24)
10. What is the Perimeter?
(Answer. 26)
11. Fill the Rhombus
(Answer. 24)
12. Fill the Shape
(Answer. 13)
13. Fill the Octagon
(Answer. 16)
14. Fill the Triangle
(Answer. 30)
15. Fill the Rocket
(Answer. 16)
16. Rhombus Perimeter
(Answer. 16)
17. Isosceles Trapezium Perimeter
(Answer. 16)
18. Trapezium Perimeter
(Answer. 16)
19. Irregular Trapezoid
(Answer. 16)
20. Trapezium Rundown
(Answer. 9)
21. Geoboard Area
(Answer. 10, 8)
22. Irregular Shape
(Answer. 11)
23. Field Perimeter
(Answer. 14)
24. Garden Planning
(Answer. 10)
25. Right Angle Triangles Explained
(Answer. H = 5, O = 3, A = 4)
26. Pythagoras' Theorem
(Answer. $c^2=25$, length of side $c=5$)
27. Circle Rundown
28. Triangle Rundown
29. Polyhedrons
30. Volume of a Rectangular Prism
(Answer. 12)

EDUCATE - EMPOWER - EXPLORE



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Expand your learning with these other Mathcubes sets!

Carefully designed to stimulate learners' minds through hands-on learning, the Mathcubes range caters to a wide array of mathematical concepts.



MCI01



MCI02



MCI03



MCI04



MCI05



MCI06



MCI07



MCI08



MCI09



MCI11



MCI12



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