

# Level 2A

## Elementary

38-Week Course | 1 Hour 45 Min Classes | Once A Week



**Level 2A** at Bhanzu connects operations, geometry, and number theory to build strong, flexible math thinking.

Students refine core skills with Speed Math techniques, explore shapes and measurement in depth, and apply concepts like factors, primes, and area in real-life contexts. They begin algebra through variables and balanced equations, understand ratios and proportions, and work with data using averages, graphs, and Venn diagrams – laying the groundwork for advanced math.



### MODULE 1

#### Arithmetic Operations with Geometry

- ▶ Introduction to 2D Shapes
- ▶ Units of Measurement
- ▶ Introduction to L-R Addition
- ▶ Properties of Multiplication
- ▶ Step Multiplication
- ▶ Perimeter, Area & Volume
- ▶ 2D and 3D Shapes
- ▶ Scenario Based Questions
- ▶ Module Quiz



### MODULE 2

#### Advanced Arithmetic

- ▶ Introduction to LR Subtraction
- ▶ Integers
- ▶ Speed Division
- ▶ Fractions & Number Line
- ▶ Equivalent Fractions & Comparing Fractions
- ▶ Fractions: Add & Subtract
- ▶ Arithmetic Progression
- ▶ Scenario Based Questions
- ▶ Module Quiz



### MODULE 3

#### Understanding Geometry

- ▶ Points & Lines
- ▶ Types of Angles
- ▶ Types of Triangles
- ▶ Properties of Triangles
- ▶ Properties of Quadrilaterals
- ▶ Factors & Multiples
- ▶ LCM & GCF
- ▶ Scenario Based Questions
- ▶ Module Quiz



### MODULE 4

#### Algebraic Foundations

- ▶ Ratios & Proportions
- ▶ Order of Operations
- ▶ Variables & Equations
- ▶ Framing & Solving Equations
- ▶ Coordinate Geometry
- ▶ Data Handling
- ▶ Set Theory & Its Applications
- ▶ Scenario Based Questions
- ▶ Module Quiz

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# Sample Problems

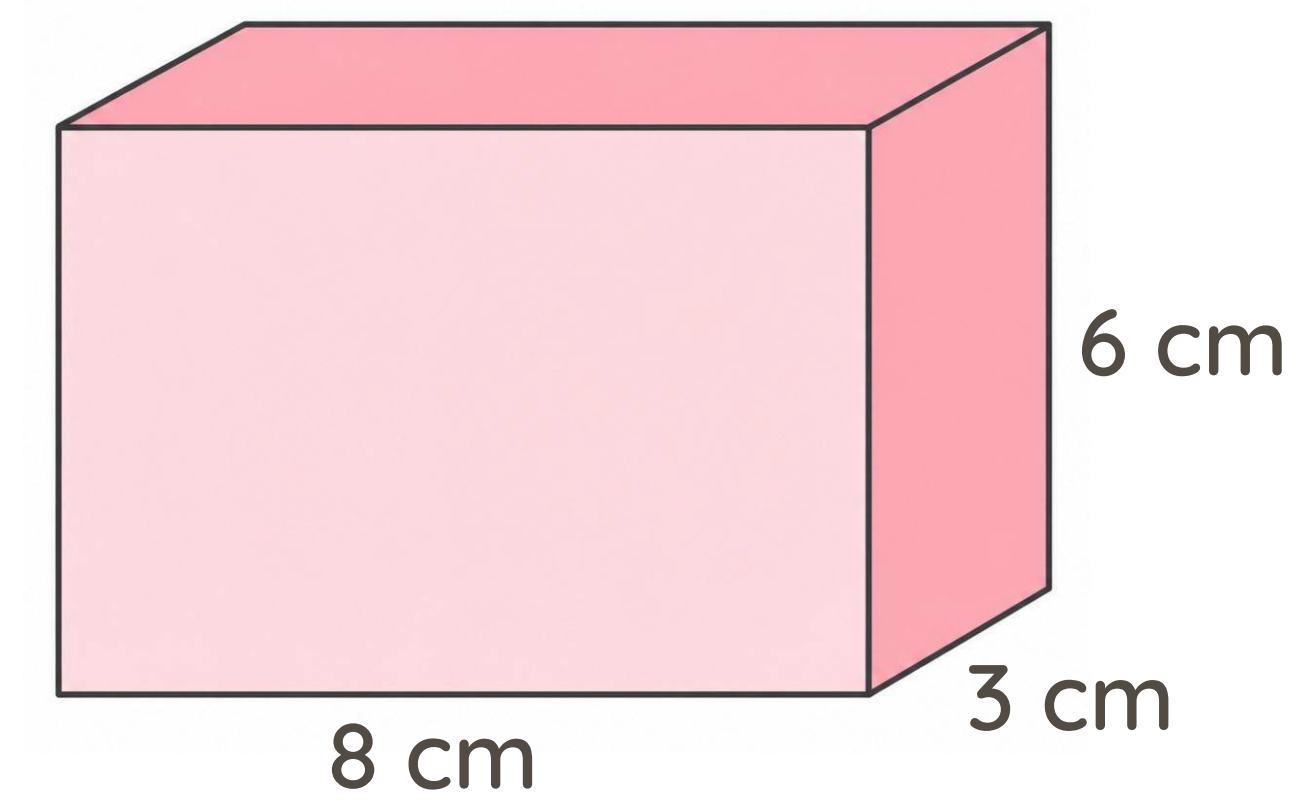
Here are a few sample questions that students will be able to solve upon completing each module of Level 2A

## Arithmetic Operations With Geometry

Q1. Solve mentally

$$356 \times 8$$

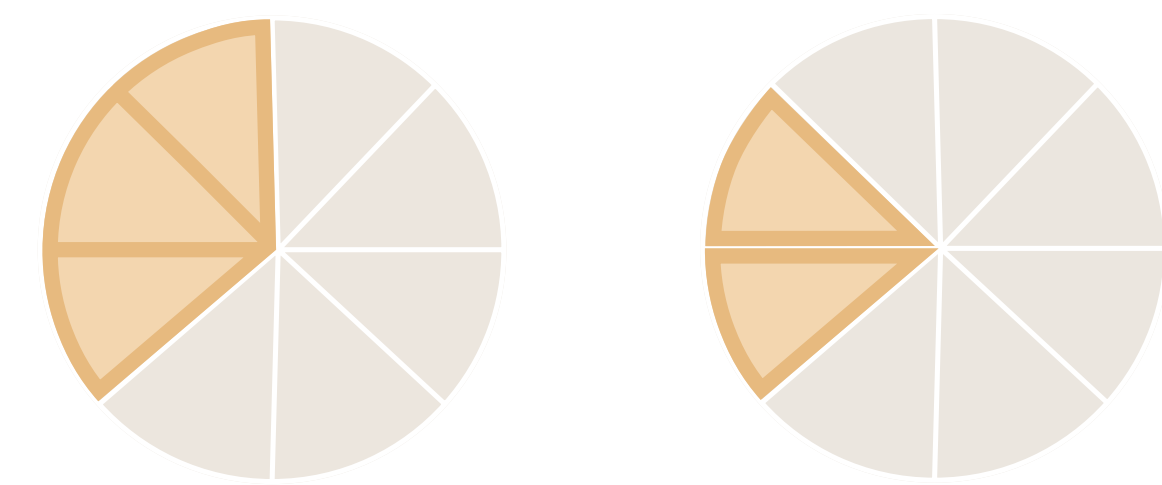
Q2. Find the volume of the rectangular prism?



## Advanced Arithmetic

Q3. What is left from 456 when we take out 189. Find it without using pen or paper?

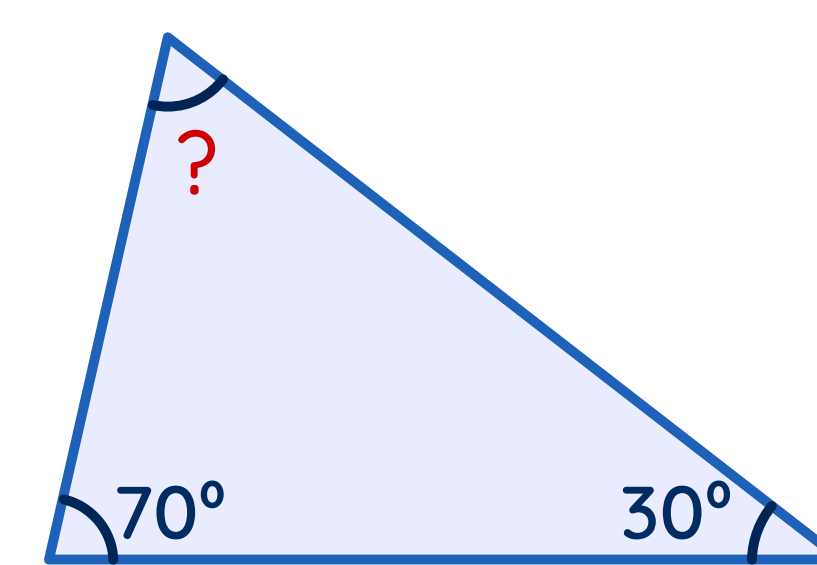
Q4.  $\frac{3}{8} - \frac{1}{4} = ?$



## Understanding Geometry

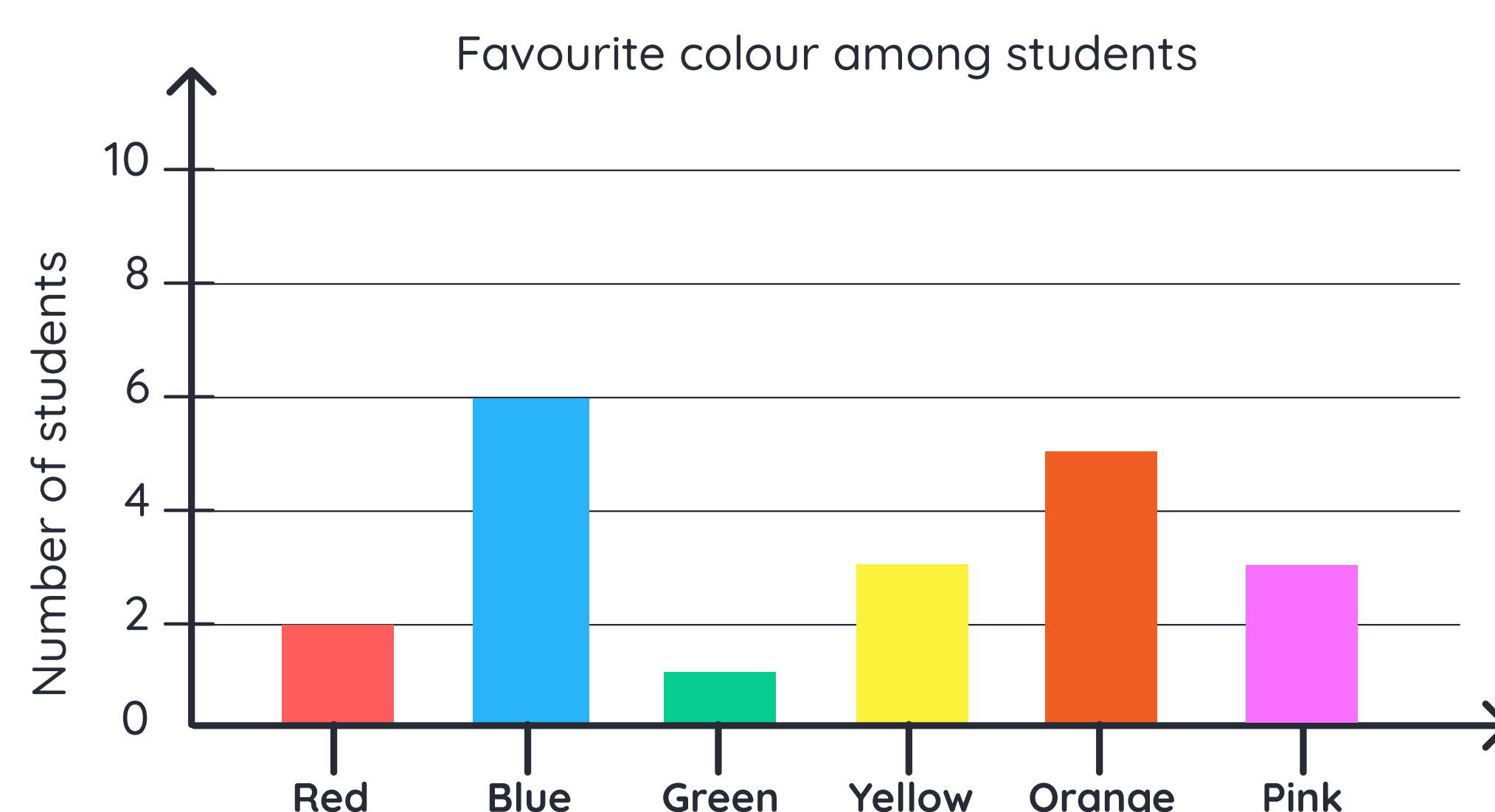
Q5. List all the factors of 24.

Q6. If two angles of a triangle are  $70^\circ$  and  $30^\circ$ , find the third angle.



## Algebraic Foundations

Q7. Each student in a class voted for their favourite color. How many students voted for red?



Q8. Sia has 5 cats and 2 dogs. What is the ratio of cats to dogs?

