

# Level 2B

## Elementary

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



**Level 2B** at Bhanzu builds lasting confidence in advanced arithmetic and early algebra through strong concepts and real-world problem-solving.

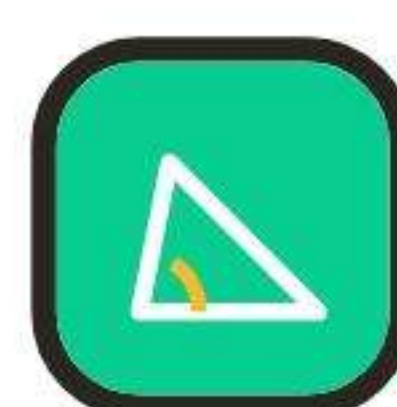
Students strengthen core operations with Speed Math, explore geometry and measurement, and deepen understanding of fractions, ratios, percentages, probability, and equations through engaging, real-world learning.



### MODULE 1

#### Advanced Operations & Integers

- ▶ Speed Math for Addition & Subtraction
- ▶ Operations of Integers
- ▶ Speed Multiplication & Division
- ▶ Order of Operations
- ▶ Properties of Numbers
- ▶ Variable & Equations
- ▶ 2D & 3D Shapes
- ▶ Scenario Based Questions
- ▶ Module Quiz



### MODULE 2

#### Geometry and Number Theory

- ▶ Points, Lines & Angles
- ▶ Properties of Triangles & Quadrilaterals
- ▶ Perimeter & Area
- ▶ Types of Fractions
- ▶ Comparing Fractions
- ▶ Operations on Fractions
- ▶ Intro to Decimals
- ▶ Scenario Based Questions
- ▶ Module Quiz



### MODULE 3

#### Geometry and Number Properties

- ▶ Units of Measurement
- ▶ Intro to Volume
- ▶ Circle & Circumference
- ▶ Perimeter & Area of Shapes
- ▶ Symmetry & Rotations
- ▶ LCM & GCF
- ▶ Introduction to Exponents
- ▶ Scenario Based Questions
- ▶ Module Quiz



### MODULE 4

#### Exploring Patterns, Logic & Probability

- ▶ Ratios & Proportions
- ▶ Introduction to Percentages
- ▶ Binary Numbers and Logic Gates
- ▶ Introduction to Probability
- ▶ Set Theory & Its Applications
- ▶ Data Handling
- ▶ Coordinate Geometry
- ▶ Scenario Based Questions
- ▶ Module Quiz

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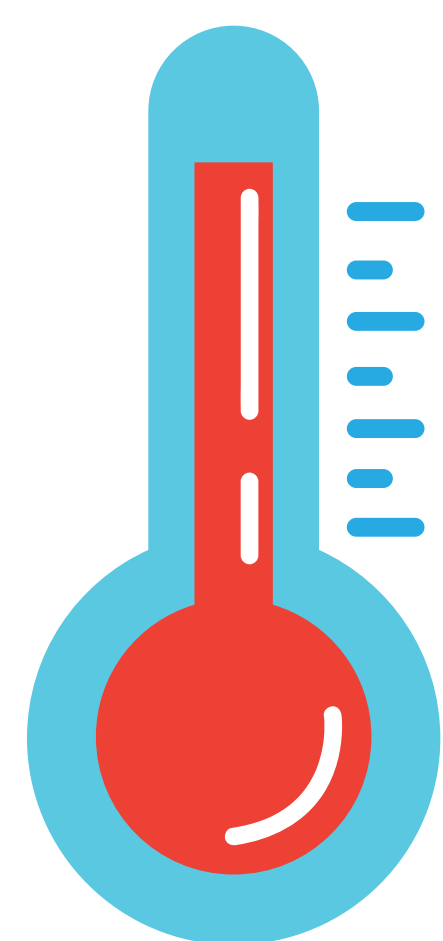
+ More coming across TX

# Sample Problems

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

## Advanced Operations & Integers

- Q1. The temperature today is  $5^{\circ}\text{C}$ , but it drops by  $8^{\circ}\text{C}$ . What is the new temperature?



- Q2. Solve mentally

$$87655 \times 3$$

## Geometry And Number Theory

- Q3. Solve the following:

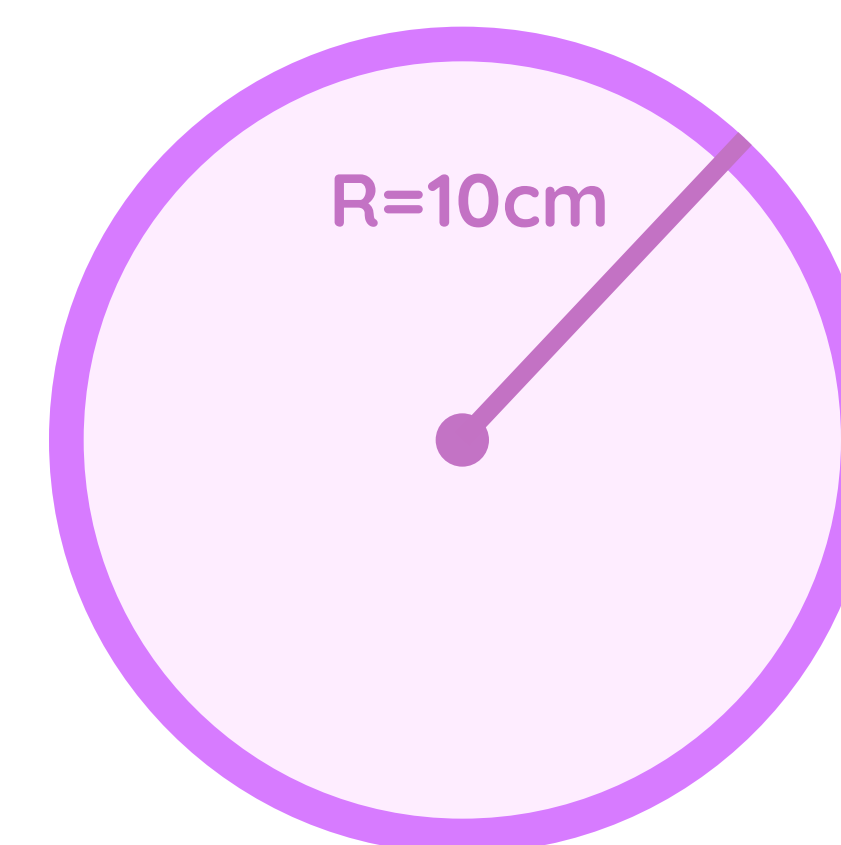
$$\frac{2}{5} - \frac{3}{8} = ?$$

- Q4. If one of the angles in a parallelogram is changed from an acute angle to a right angle, would the shape still be a parallelogram? If not, what would be the new shape and why?

## Geometry And Number Properties

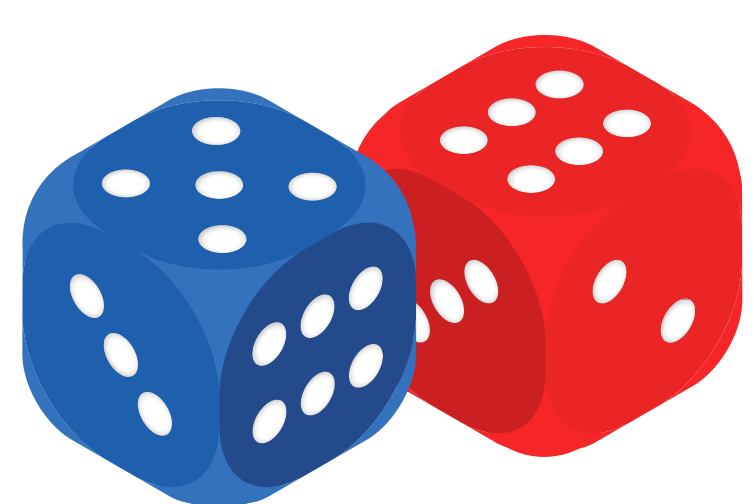
- Q5. What is the value of  $6^4$ ?

- Q6. A circle has a radius of 10 cm. What is its diameter?



## Exploring Patterns, Logic & Probability

- Q7. You roll a die. What is the probability of rolling a 4?



- Q8. Plot the point  $(2, -3)$  on a coordinate plane. What quadrant is it in?

