bhanzu Learning Center

Level 3A

Grade 6

1 Hour 45 Min Classes | Once A Week



Level 3A at Bhanzu builds upon foundational mathematical concepts by introducing students to advanced arithmetic, algebraic thinking, geometry, statistics, and probability. The curriculum emphasizes analytical reasoning, logical problem-solving, and real-world mathematical applications.
Students strengthen computational fluency while developing confidence in solving multi-step problems involving expressions, exponents, equations, geometric measurement, and data interpretation.

Expressions, Exponents, and Inequalities

- Ratio, Unit Rate, and Proportions
- Inverse Proportions
- Laws of Exponents
- Squares & Square Roots
- Linear Equations & Graphing
- Linear Inequalities
- Constraints on Inequalities
- Scenario Based Questions

3D Geometry

- Percentages
- Profit And Loss
- Pythagorean Theorem
- Perimeter & Area Of Polygons
- Perimeter Of A Circle & Parts Of A Circle
- Surface Area & Volumes
- Coordinate Geometry
- Scenario Based Questions

Statistics & Probability I

- Reflections & Line Symmetry
- Rotational Symmetry
- Data Collection & Representation
- Measures Of Central Tendency
- Interquartile Range & Mean
- Set Theory: Basics & Set Operations
- Probability: Simple & Compound Events
- Scenario Based Questions

This Module Will Be Conducted Post **Summer Break**

Advanced Arithmetic II

- Introduction To Rational & Irrational Numbers
- Speed Operations On Rational Numbers
- Plotting Rational Numbers
- Properties Of Numbers
- Percentages & Proportions
- Arithmetic & Geometric Progression
- Expressions And Exponents
- Scenario Based Questions

TEKS & CCSS ALIGNED

Instant Doubt Solving

24/7 AI-powered support that explains concepts while your child gets stuck.

Structured and Personalised In-Class Practice

Every class pairs instruction with guided practice, so concepts are applied the same day.

Mandatory Worksheets

Practice worksheets for every topic with optional higher-order challenge questions.

Summary Notes

Teacher-curated notes shared after every class, giving parents full visibility into exactly what was taught.

Make-Up Classes

Catch up with dedicated make-up classes whenever you miss a session.

How do we measure progress?

- **Sharpen Up:** In-class practice after every session monitored by teachers
- **Knowledge Checks:** Pre & post knowledge check every 2 months
- **Worksheets:** QR coded worksheets to track every child's progress

BLC Parent App

Stay updated with schedules, feedback and detailed progress reports.

Student Dashboard & Brain Gym

Track worksheet scores, attendance & get unlimited practise.

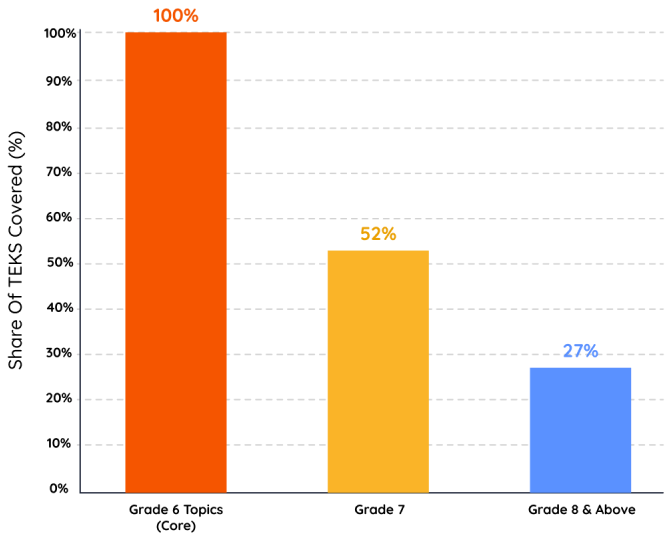
Parent Teacher Meet (PTM)

One-on-one check-ins with your child's trainer to review progress, discuss gaps, and align on next steps.

TEKS & CCSS Curriculum Coverage

Level 3A is anchored in Grade 6 TEKS and CCSS, and is intentionally built to stretch a few grades ahead so that students establish strong foundations & get ahead confidently.

Grade-level spread of TEKS coverage



Domain-by-domain TEKS coverage

TEKS Domain (Grade 6)	Coverage	Notes
Number & Operations	Full	Rational numbers, integer operations, GCF/LCM, fractions & decimals
Proportionality	Full	Ratios, rates, percents, inverse proportion covered
Expressions, Equations & Relationships	Full	Exponents, one-variable equations & inequalities, geometry-based equation relationships
Measurement	Full	Circles, Perimeter and Area, Pythagoras theorem; Coordinate geometry
Data and Personal Financial Literacy	Full	Central tendency, interquartile range, set theory & probability. Financial literacy: referenced across modules

Exam Band — Where This Curriculum Shows Up

Grade 6's TEKS + CCSS alignment means the skills students build map directly onto the exams Texas (and CCSS-state) Grade 6 students actually sit for.

STAAR Grade 6 Mathematics Texas state assessment · annual grade-level test

How Bhanzu helps: Module 1 and 2's ratio, rate, and integer-operations focus target STAAR's two heaviest Grade 6 categories directly. Scenario-based questions in every module train the multi-step reasoning STAAR now emphasizes.

Texas Credit by Exam (CBE) Grade/course acceleration

How Bhanzu helps: Coverage across all Grade 6 TEKS domains leaves no content unaddressed. Exponents, inequalities, and coordinate geometry modules build exactly the pre-algebra readiness CBE panels look for.

Math Kangaroo / MOEMS Enrichment & competition math

How Bhanzu helps: GCF/LCM, set theory, and probability modules build exactly the logic-puzzle reasoning these contests reward. Scenario-based questions in every module train novel problem applications.

Sample Problems

Here are a few sample questions that students will be able to solve upon completing each module of Level 3A

Q1. Solve mentally

$$(53265) \times (9) =$$

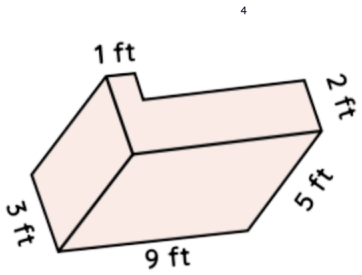
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Q2. Simplify the expression:

$$3(2x - 4) + 5(3x + 2) - 4x$$

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Q3. Find the volume of the given 3D shape:



Q4. A group of 10 students were surveyed to find out how many hours they spent studying for their math test last week. The results (in hours) are as follows:

8, 5, 7, 9, 10, 6, 6, 7, 5, 8. Calculate mean, median, mode, and range.

Q5. Emma, Jack and Olivia play their instruments every 18, 24 and 30 minutes respectively. They start at 12:00 PM. When will they all play together again?

Q6. Solve the system of equations algebraically

$$3x + 2y = 12$$

$$x - y = 1$$

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Q7. A rectangular wire of perimeter 314 m is bent into a perfect circle. What is the radius of the circle formed?

Q8. A box contains 6 red balls, 4 blue balls, and 5 green balls. What is the probability of drawing a red ball or a blue ball on the first draw?

