

LV3 MATH OVERVIEW

AAA MATH

At AAA, students are not simply given harder questions. We help students learn more, think deeper, and move ahead in math. Our accelerated program builds on what students already know and moves into larger numbers, multi-step problems, problem solving, and advanced math concepts beyond the standard school curriculum.

Level 3 is an accelerated Grade 3 math program that can move into Grade 4 math and beyond. At the beginning of the year, each student completes a pre-assessment. This helps us see which Grade 3 skills students already know and which skills may need a quick review before moving forward.

HOMEWORK

- ☐ Homework will be assigned once a week. This will usually be a review of concepts covered, or test preparation.

CYCLES

Each cycle represents a complete learning progression rather than a fixed number of weeks or lessons.

Each cycle is approximately 4–5 weeks, with two units taught at a time. However, the timeline is flexible and may change based on students' needs, progress, and understanding.

Lessons are adjusted based on each student's learning. If students need more practice with a skill, we provide additional support. If students already understand a concept, we move them into more challenging problems, deeper thinking, enrichment, and next-grade-level math.

Within each cycle, students typically move through:

Review → Build → Practise → Apply → Extend → Master

We do not move to the next topic simply because a certain number of lessons have passed. We regularly check student understanding and use their work to decide when they are ready for the next level of challenge. This allows students to keep progressing and learning beyond their current grade level.

CONTACT INFO

We are here to help your child succeed! If you have questions or need extra support, feel free to reach out via email.

jyeung@acceleratedachievers.com

For any technical (Zoom) or scheduling issues, please email

msangela@acceleratedachievers.com

To submit homework through email instead of Seesaw, please email

AAAhomeworkcheck@outlook.com

UNITS OF STUDY

Cycle 1

Place Value

Thousands	Hundreds	Tens	Thousands	Hundreds	Tens	Units
7	1	5	9	3	6	2

Place Value

- Read, write and represent multi-digit whole numbers.
- Identify the value of digits in different places.
- Compare and order numbers using place value.
- Round numbers and use estimation to check reasonableness.
- Explain how the value of a digit changes when it moves to a different place.
- **Extend:** apply place-value understanding to larger numbers and explain patterns when multiplying by 10, 100 and 1,000.

Cycle 2



Multiplication Fluency

- Use multiplication facts efficiently and flexibly.
- Apply known facts to solve unfamiliar facts.
- Use the distributive and associative properties to simplify calculations.
- Estimate products and check whether answers are reasonable.
- Apply multiplication to real-world problems.
- **Extend:** work confidently with larger factors and increasingly complex multi-step problems.

Cycle 3



Fractions

- Understand fractions as numbers and parts of a whole.
- Represent fractions using models and number lines.
- Identify and generate equivalent fractions.
- Compare fractions using visual and numerical strategies.
- Explain why two fractions are equivalent.
- **Extend:** compare and reason about fractions with different denominators and begin applying fractions in more complex situations.

Multiplication

- Read, write and represent multi-digit whole numbers.
- Identify the value of digits in different places.
- Compare and order numbers using place value.
- Round numbers and use estimation to check reasonableness.
- Explain how the value of a digit changes when it moves to a different place.
- **Extend:** apply place-value understanding to larger numbers and explain patterns when multiplying by 10, 100 and 1,000.



Division

- Understand division as sharing, grouping and the inverse of multiplication.
- Represent division using arrays, groups and equations.
- Divide using appropriate strategies.
- Connect multiplication and division facts.
- Interpret remainders in context.
- **Extend:** solve larger-number division problems and explain how the remainder affects the answer.

Patterns & Algebraic Thinking

- Identify and describe numerical patterns.
- Find missing values in patterns.
- Explain the rule of a pattern.
- Represent patterns using tables and equations.
- Make predictions using a pattern.
- **Extend:** describe relationships more generally and begin using symbols to represent unknown values.

