# **Grade 6 Entrance Exam: Accelerated Math (2025)**

The Grade 6 Accelerated Math Entrance Exam is a three-part exam designed to evaluate students' general math skills, comprehensive skills, and deductive reasoning and processing abilities. All questions and tasks are aligned with the new Grade 6 curriculum released by Alberta Education. The exam will be calculator free.

### Part 1: General Math Skills (<10 min.)

- Students will be given 20 multiple choice questions that are designed to be basic math knowledge.
- Multiple Choice Questions
- Key skills assessed include:
  - Add/Subtract Integers
  - o Add/Subtract Decimals & Fractions
  - o Basic Percentages
  - Order of Operations

### Part 2: Comprehensive Math Skills (≈20-45 min.)

- Students will be given 12 numeric-response questions (which mean non-multiple choice.)
- You will need to fill out the sheet based on your answer. (See attachment for sample bubble sheet to show familiarity with it.)
- Some skills are reassessed from Part 1, but will be more comprehensive
- Key skills assessed include:
  - o Decimal Operations
  - Fraction Operations
  - o GCF: Greatest Common Factors and Divisibility Rules
  - o Add/Subtract Integers and missing values
  - o Percentage Questions
  - o Prime Factorization
  - Representing factors as a product of powers

# Part 3: Deductive Reasoning and Processing Skills (<10 min.)

- Students will be given 3 questions, however they will only choose 1 to answer. The question is designed to show process and thought. We want to see how you are arriving at your answer.
- Designed to take less than 10 minutes to complete.
- The answer is great but your score will be based on the work presented.
- Topics could include:
  - Patterns and Equations
  - o Balancing (and solving) Equations
  - o Area and Perimeter
  - Order of Operation (more complex)
- Key skills assessed include:
  - Clarity of thought process
  - Accuracy of procedures
  - Deconstruction of the problem
  - Demonstrating a visual representation of the problem

## **Tips for Success**

#### 1. Review Key Concepts:

- a. Focus on fundamental topics as mentioned.
- b. Review key words in the event some words are word problems. (Ex. What does sum, difference, product, and quotient mean?)

#### 2. Practice Problem Solving:

- a. Work through sample questions or past exams. Using old PAT 6 released items contains some of the topics you will see on the exam.
- b. Try to solve problems in different ways to understand concepts deeply, not just memorizing steps.

## 3. Work on Time Management:

a. Remember you have 90 minutes as a maximum amount of time.

## 4. Use Study Resources:

a. There are plenty of websites, apps, and books dedicated to junior high math. Khan Academy, for instance, has free lessons on most math topics.

# 5. Ask for Help When Needed:

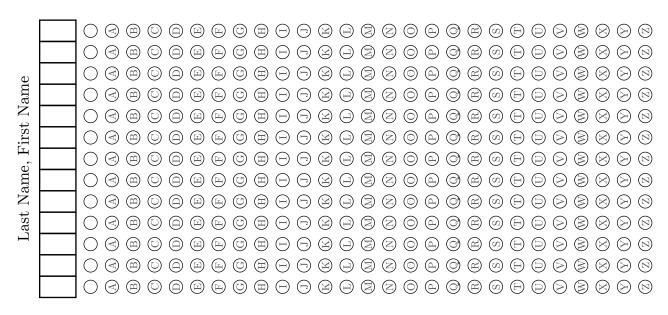
a. If there's a topic you're having trouble with, don't hesitate to ask a teacher, parent, or a friend. Sometimes a little guidance can make a big difference.

## 6. Stay Calm and Confident:

- a. Stay positive during your preparation and on the exam day.
- b. You got this!!

Name:	





### Part 1: Multiple Choice (General Skills)

- 1. A B C D 5. A B C D 9. A B C D 13. A B C D 17. A B C D
- $2. \quad \textcircled{A} \ \textcircled{B} \ \textcircled{C} \ \textcircled{D} \qquad 6. \quad \textcircled{A} \ \textcircled{B} \ \textcircled{C} \ \textcircled{D} \qquad 10. \quad \textcircled{A} \ \textcircled{B} \ \textcircled{C} \ \textcircled{D} \qquad 14. \quad \textcircled{A} \ \textcircled{B} \ \textcircled{C} \ \textcircled{D} \qquad 18. \quad \textcircled{A} \ \textcircled{B} \ \textcircled{C} \ \textcircled{D}$
- 4. A B C D 8. A B C D 12. A B C D 16. A B C D 20. A B C D

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Part 2: Numeric Response (Comprehensive Skills)																							
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