

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
 - Add/Subtract Decimals & Fractions
 - 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:
 - Decimal Operations
 - Fraction Operations
 - GCF: Greatest Common Factors and Divisibility Rules
 - Add/Subtract Integers and missing values
 - Percentage Questions
 - 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
 - Balancing (and solving) Equations
 - 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!!



Last Name, First Name		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
		☐	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Part 1: Multiple Choice (General Skills)

1. ☐ A ☐ B ☐ C ☐ D
2. ☐ A ☐ B ☐ C ☐ D
3. ☐ A ☐ B ☐ C ☐ D
4. ☐ A ☐ B ☐ C ☐ D
5. ☐ A ☐ B ☐ C ☐ D
6. ☐ A ☐ B ☐ C ☐ D
7. ☐ A ☐ B ☐ C ☐ D
8. ☐ A ☐ B ☐ C ☐ D
9. ☐ A ☐ B ☐ C ☐ D
10. ☐ A ☐ B ☐ C ☐ D
11. ☐ A ☐ B ☐ C ☐ D
12. ☐ A ☐ B ☐ C ☐ D
13. ☐ A ☐ B ☐ C ☐ D
14. ☐ A ☐ B ☐ C ☐ D
15. ☐ A ☐ B ☐ C ☐ D
16. ☐ A ☐ B ☐ C ☐ D
17. ☐ A ☐ B ☐ C ☐ D
18. ☐ A ☐ B ☐ C ☐ D
19. ☐ A ☐ B ☐ C ☐ D
20. ☐ A ☐ B ☐ C ☐ D

Name: _____

Part 2: Numeric Response (Comprehensive Skills)

1.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	2.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	3.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	4.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	5.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9
6.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	7.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	8.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	9.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	10.	/ / − ⋅ ⋅ 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9

Part 2 (continued) (Teacher use only)

11.	Score 0 1 2 0.5	12.	Score 0 1 2 0.5
-----	---	-----	---

Part 3: Written Response (Reasoning & Process) (Teacher use only)

1.	Score 0 1 2 3 4 5 0.5
----	---