

Name: _____

Meritus Academy Tentative Math Grade 7 Course Outline

Class NO.	Content	Date
Class 1	Fractions and Decimals	Tue, Sep 5 ~ Sun, Sep 10
Class 2	Ratio and Percent	Tue, Sep 12 ~ Sun, Sep 17
Class 3	Algebra	Tue, Sep 19 ~ Sun, Sep 24
Class 4	Geometry	Tue, Sep 26 ~ Sun, Oct 1
Class 5	Number Theory	Tue, Oct 3 ~ Sun, Oct 8
Class 6	Counting and Pattern	Tue, Oct 10 ~ Sun, Oct 15
Class 7	Statistics and Probability	Tue, Oct 17 ~ Sun, Oct 22
Class 8	Practice Test	Tue, Oct 24 ~ Sun, Oct 29
Class 9	Calculations and Operations	Tue, Oct 31 ~ Sun, Nov 5
Class 10	Counting and Patterns	Tue, Nov 7 ~ Sun, Nov 12
Class 11	Algebra	Tue, Nov 14 ~ Sun, Nov 19
Class 12	Geometry	Tue, Nov 21 ~ Sun, Nov 26
Class 13	Ratio, Proportion and Rate	Tue, Nov 28 ~ Sun, Dec 3
Class 14	Number Theory	Tue, Dec 5 ~ Sun, Dec 10
Class 15	Practice test 1	Tue, Dec 12 ~ Sun, Dec 17
	HOLIDAY	Tue, Dec 19 ~ Sun, Jan 7
Class 16	Practice test 2	Tue, Jan 9 ~ Sun, Jan 14
<i>Note: Winter Semester starts from Class 17. If you would like to continue, please register with the front desk.</i>		
Class 17	Percentage	Tue, Jan 16 ~ Sun, Jan 21
	AMC 8 Exam	Thu, Jan 18, 2024
Class 18	Geometry	Tue, Jan 23 ~ Sun, Jan 28
Class 19	Counting and Patterns	Tue, Jan 30 ~ Sun, Feb 4
Class 20	Algebra	Tue, Feb 6 ~ Sun, Feb 11
Class 21	Fractions	Tue, Feb 13 ~ Sun, Feb 18
Class 22	Word Problems 1	Tue, Feb 20 ~ Sun, Feb 25
Class 23	Word Problems 2	Tue, Feb 27 ~ Sun, Mar 3
Class 24	Calculation and Operation	Tue, Mar 5 ~ Sun, Mar 10
Class 25	Geometry 1	Tue, Mar 12 ~ Sun, Mar 17

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Class 26	Practice Test 1	Tue, Mar 19 ~ Sun, Mar 24
Class 27	Practice Test 2	Tue, Mar 26 ~ Sun, Mar 31
Class 28	Geometry 2	Tue, Apr 2 ~ Sun, Apr 7
Class 29	Number Theory	Tue, Apr 9 ~ Sun, Apr 14
	Euler Math Contest	Wed, Apr 10, 2024
Class 30	Ratio, Rate & Percent	Tue, Apr 16 ~ Sun, Apr 21
Class 31	Pattern	Tue, Apr 23 ~ Sun, Apr 28
Class 32	Geometry	Tue, Apr 30 ~ Sun, May 5
Class 33	3D Geometry	Tue, May 7 ~ Sun, May 12
Class 34	Ratio, Rate, and Proportion	Tue, May 14 ~ Sun, May 19
	Gauss Math Contest	Wed, May 15, 2024
Class 35	Calculations and Operations	Tue, May 21 ~ Sun, May 26
Class 36	Statistics and Probability	Tue, May 28 ~ Sun, Jun 2
Class 37	Final Test	Tue, Jun 4 ~ Sun, Jun 9
Class 38	Algebra	Tue, Jun 11 ~ Sun, Jun 16

MY TEACHER _____ is available for extra help during the
following time _____ at the following place _____.

ATTENDANCE

- Please arrive 5 minutes before class to get ready.
- If leaving early for any reason, parents must pick you up at the door.
- Since the course is fast paced, absences are not recommended.
- If absence was to occur, students should plan for a make-up class at another session. If there is no possible make up class available, students should study posted notes and try the homework at home to avoid falling behind too much.

HOMEWORK

- There is homework after each class. The homework is posted on Olympiads School website: <http://www.olympiads.ca/>. If you can't find the homework online, please contact the school right away.
- Students need to print out the homework after each class and finish it by the next class. Make sure to check the outline and the title of the homework before doing it. The following week's homework is sometimes posted early so you might do the wrong one.

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For example:

Class01_M7_homework_Sept_06-11

This is the homework for math grade 7 class 1 on the week of Sept 6th - 11th, which needs to be completed for the week of Sept. 13th – 18th.

- The homework is marked with “P” for pass and “I” for incomplete. If you do get an “I”, the teacher will let you know how to fix it so you can resubmit to pass the homework.

HOMEWORK EXPECTATION

- Homework must be done **BEFORE** class. There is no homework for the test weeks.
- **THREE** times of not completing the homework will be **called home** to communicate with the parents in order to help you better manage your time and achieve your goal in math.
- Late homework is accepted.
- **Show ALL your work** by providing complete and organized steps. Answer the questions as if the reader is learning the concept from you, not as if s/he already understands it.
“SW” symbol (show work) will be used if fail to do so.
- **Conclusion sentence** is required for all word problems. Use “.∴” symbol.
- **Proper math format** must be used such as use of “=” sign, units, etc...
“MF” symbol (math format) will be used to identify any possible math format error.
- **Circle** all your final answers.
- Leave space next to each problem for homework corrections. Teacher will take up most of questions during class. However, this doesn’t mean you don’t need to do your homework at home. Try to do your best!
- All returned homework must be stored in your binder until the end of the term. These will be needed to study for your tests.

CLASSROOM EXPECTATION

All students are expected to:

- Come to class and prepared with all your Math supplies and completed homework.
- Be in your seat, on time, ready to learn and participate during class.
- Stay on task without disturbing or distracting others. There is no walking around the room.
- **Raise your hand** if you have any questions or comments and wait to be called.
- **No electronics** such as cell phones, laptops, tablets are allowed during lesson.
- There is **NO WIFI** for students in Olympiads School.
- Show respect for yourself, for others, and **for the facilities**.
- Act in a responsible manner in everything you do.
- Olympiads School teaches at a fast pace, so if you feel the course is too hard or too easy, please feel free to talk to the teacher. We are all here to help!

STUDY AIDS

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Please check the course website for lecture notes, homework, and other resources. Students are expected to bring the following to each class:

- Paper/Notebook/Binder, Pen/Pencil, Eraser
- **NO CALCULATORS ARE ALLOWED.**

CONTEST

All of the grade 7 & 8 math courses for the upcoming semester will cover below three contests:

1) AMC 8 (American Mathematics Competition)

This contest is an annual national math contest for all levels of grade 7 and 8 students (grade 7 and 8 students share one contest), and is hosted by Mathematical Association of America. The contest is held every year in November.

AMC 8 has **25 multiple choice** questions per test with a **total score of 25** and must be completed within **40 minutes**. Students with a score of 20 or higher will usually receive a summer math camp invitation letter in April in the US.

2) Mathematica Series Contest

This contest is a national contest series hosted by Mathematica Contest Centre in Pierrefonds, Quebec, and is held every year in April. This contest series consist of seven different contests. They are: Thales (grade 3), Byron - Germain (grade 4), Fibonacci (grade 5), **Pythagoras (grade 6)**, **Euler (grade 7)**, Lagrange (grade 8), and Newton (grade 9). All contests above grade 6 are 75 minutes long.

3) Waterloo Mathematics Contest Series

The Waterloo mathematics contest series is for all students from grade 7 to 12. It is also called Canadian Mathematics Competition. This is the official contest series in Canada. It is hosted by University of Waterloo, hence called Waterloo contest series.

This contest series has different names for each of the different contest: **Gauss (grade 7 and 8)**, Pascal (grade 9), Caley (grade 10), Fermat (grade 11), and Euclid (grade 12). Each of the contests from grade 7 - 11 contains **25 multiple choice** questions with a **total score of 150** and must be completed within **one hour**.

Even though the grade 7 and 8 contests share the same name (Gauss), they have different questions. Grade 8 Gauss contest has more difficult problem than grade 7 Gauss contest. Both Gauss contests are held every year in May.