



K-12
TEXAS TECH

Elementary Mathematics Grade 1 B v7.0

– Syllabus

Course Name

MATHG1-B

Elementary Mathematics Grade 1 B v7.0 – Semester B

Course Information

MATHG1-B is the second semester of this two-semester course.

In Math Grade 1, students will use strategies to solve word problems, skip count, and use math strategies to add and subtract. The course provides the opportunity for students to develop an understanding of place value using tens and ones. Students will use this knowledge to add and subtract within 100. Defining and non-defining attributes of shapes is another focus of the course. Other engaging hands-on activities include money, time, data, and measurement.

Course Delivery Method

Online

Contacting Your Instructor

You may contact your instructor using your Canvas Inbox. Technical support is available 24/7 at [TTU K-12](#).

Course Topics

After completing this course, the students should have increased knowledge of

- Subtract by making 10
- Using fact families
- Using addition to subtract
- Finding missing addends
- Organizing data into groups

- Showing data in different ways
- Answering questions about graphs and data
- Compare and order by length
- Using common items to measure
- Measuring items using a ruler
- Estimating to the nearest inch
- Measuring to the nearest centimeter
- Identifying equal amounts
- Finding the sum of three numbers
- Solving word problems by adding three numbers
- Adding two-digit numbers
- Subtracting two-digit numbers
- Finding ten more and ten less in my head
- Adding and subtracting using models
- Solving addition with regrouping
- Using addition to subtract
- Adding and subtracting using different strategies
- Identifying names and values of coins
- Identifying names and values of bills
- Understanding value of a group of coins
- Counting to a dollar with coins
- Counting bills to 100
- Understanding the hour and the minute hands
- Telling and writing time to the hour
- Telling and writing time to the half hour

Textbook and Materials

No textbooks required. All content is within Canvas.

Materials

- pencil
- eraser
- scissors
- glue
- 6-inch ruler (printable resource)
- 15-centimeter ruler (printable resource)
- Interactive Notebook—spiral or composition notebook
- paper
- colored paper
- counters or manipulatives

- common household items (cereal, rocks, paperclips, beads, etc.)
- toothpicks
- marshmallows
- four socks
- three fruits
- 2 different types of cereal

Technical Requirements

- Internet access – preferably high speed (for accessing Canvas)
- browser (we recommend Chrome)
- supported browser plugins and settings
The following plugins and settings may be required to use our courses.
 - JavaScript enabled
 - Cookies enabled
 - Java installed
- Email
- Printing capabilities
- Adobe Reader (download from Adobe.com)
- Audio and video capabilities (for watching/listening to course content)
- PDF app (free options available)

Technical Skill Requirements

Be comfortable with the following:

- accessing online learning materials via Canvas
- Internet search engines and browsers (we recommend Chrome)
- uploading assignments into Canvas (there will be instructions for uploading assignments)

Course Pacing

This course is designed to be completed in 18 weeks.

- Print this guide and use a calendar to fill in your goal dates for completing each Module.
- To achieve success, students are expected to submit work in each course weekly.
- Students can learn at their own pace; however, "any pace" still means that students must make progress in the course every week.

- Post the pace guide in a place where you and your Parent or Guardian will see it every day (on the refrigerator or next to the computer). Give yourself a check every time you complete a task, and celebrate your efforts!

Weeks	Lessons	Due Date (you write this in)
1	08.00 Subtraction Facts to 20: Pretest 08.01 Subtract by Counting 08.02 Subtract by Making 10 08.03 Fact Families	
2	08.04 Using Addition to Subtract 08.05 Subtraction Word Problems 08.06 Missing Addends	
3	08.07 Subtraction Facts to 20: Review 08.08 Subtraction Facts to 20: Assessment	
4	09.00 Represent and Organize Data: Pretest 09.01 Organize Data into Groups 09.02 Show Data in Different Ways 09.03 Answer Questions About Graphs 09.04 Questions About Data	
5	09.05 Represent and Organize Data: Discussion-Based Assessment 09.06 Represent and Organize Data: Assessment	
6	10.00 Measurement: Pretest 10.01 Compare and Order Items by Length 10.02 Use Common Items to Measure 10.03 Measure Items Using a Ruler	
7	10.04 Estimating to the Nearest Inch 10.05 Measure to the Nearest Centimeter 10.06 Measurement: Review 10.07 Measurement: Assessment	
8	11.00 Addition and Subtraction Equations: Pretest 11.01 Find the Missing Number 11.02 Equal Amounts	

Weeks	Lessons	Due Date (you write this in)
9	11.03 Find the Sum of Three Numbers 11.04 Solving Word Problems by Adding Three Numbers 11.05 Addition and Subtraction Equations: Discussion-Based Assessment 11.06 Addition and Subtraction Equations: Assessment	
10	12.00 Add and Subtract Tens and Ones: Pretest 12.01 Add and Subtract with Patterns 12.02 Find Ten More and Ten Less in my Head 12.03 Add and Subtract Using Models	
11	12.04 Adding Two-Digit and One-Digit Numbers 12.05 Addition with Regrouping 12.06 Using Addition to Subtract	
12	12.07 Add and Subtract Using Different Strategies 12.08 Add and Subtract Tens and Ones: Review 12.09 Add and Subtract Tens and Ones: Assessment	
13	13.00 Money: Pretest 13.01 Names of Coins and Bills 13.02 Values of Coins and Bills 13.03 Counting to One Dollar with Coins	
14	13.04 Values of Groups of Coins 13.05 Counting Bills to 100 13.06 Money: Discussion-Based Assessment 13.07 Money: Assessment	
15	14.00 Time: Pretest 14.01 Understand the Hour and Minute Hand 14.02 Read and Write Time to the Hour	
16	14.03 Read and Write Time to the Half Hour 14.04 Time: Review 14.05 Time: Assessment	
17	Floating Vacation Week	

Weeks	Lessons	Due Date (you write this in)
18	Floating Vacation Week	

Course Credit

Your grade will be calculated as follows:

- formative assessments (50%)
- summative assessments (50%)

Assignments are labeled as “summative” or “formative” under Grades in Canvas.

Course Completion and Extensions

- Students may not complete the course in less than 30 days.
- All courses expire six months after the enrollment date.

Academic Integrity

It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences, possibly suspension.

“Scholastic dishonesty” includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor) or the attempt to commit such an act.

Artificial Intelligence (AI) Use Policy

This policy covers any generative AI tool, such as ChatGTP, Elicit, Photo Math, etc. This includes text and artwork/graphics/video/audio, etc.

All work submitted in this course must be your own. You may not use artificial intelligence tools to complete your assignments in this course.

If an instructor suspects that an assignment is not the work of the student, it will receive a score of zero. The instructor will message the student or provide feedback on the assignment indicating the need to schedule a one-on-one video conference, during which the student will be required to demonstrate their skills or knowledge through an alternative or mutually agreed-upon assignment. The grade of the alternate or agreed upon assignment will be determined at the instructor’s discretion with the highest possible score being 70%.

If it is determined that a student has violated final exam directions on Final Exam A or CBE Set 1, the exam will be scored as zero. The student may take Final Exam B or CBE Set 2 with the highest possible score being 70%.

The incident will be reported to Texas Tech K-12 Administration and documented in the student's file. Continued violations of Texas Tech University's Academic Integrity Policy will result in the removal of the student from the program.

Student/Parent Expectations

You will be expected to log into the Canvas course regularly to be aware of possible announcements/reminders and to pace your student's progress in the course.

The following are prohibited while using the Canvas interface:

- spamming;
- hacking; and
- using TTU or Canvas email for commercial purposes;

Inappropriate behavior shall result in consequences ranging from a request to correct the problem, to removal from the course or even the university, depending on the severity of the behavior. Disciplinary actions will be taken according to the TTU K-12 Student Handbook.

In addition to expectations above, the nature of a first grade class requires that parents/adults are actively involved in their student's instruction. First grade is a time where students are still learning to read, so adults will need to help read the daily instructions to them and assist them in their activities.

Communication

- You can expect a reply from your instructor within 2 business days.
- Use the Canvas Inbox for sending messages to your instructor.

Submitting Assignments

You will submit all assignments through Canvas, rather than by mail or email.

Technical Difficulties

Getting Help

For student assistance with Canvas, visit [TTU K-12 Support](#).

Computer Problems

A working computer is necessary for online coursework. Computer problems will not be accepted as a valid reason for failure to complete course activities within the allotted

time frame. Identify a second computer, before the course begins, that you can use if you experience computer problems.

Server Problems

When the Canvas server needs to be taken down for maintenance, the Canvas administrator will post an announcement in your course informing you of the time and date. If the server experiences unforeseen problems, your course instructor will notify you.

Lost or Corrupted Files

You must keep/save a copy of every project/assignment on an external disk or personal computer. In the event of any kind of technology failure (e.g., Canvas server crash or virus infection, students' own computer problems, loss of files in cyberspace, etc.) or any disputes, the instructor may request or require you to resubmit the files. In some instances, the instructor may need to open another attempt within Canvas, so communication with your instructor is critical in these circumstances.