

Resources for Reviewing Basic Math Skills

The following resources are available for students who wish to review their basic math skills. All resources may be accessed by visiting the Tutoring Services' website at <https://www.germannna.edu/academic-center-for-excellence/> and clicking on “[Academic Links](#)” under the departmental menu. There are a variety of useful tutorials listed under the Mathematics subheading.

Video Tutorials from the “Arithmetic and Pre-Algebra” section of [Kahn Academy Math Videos](#)

Addition:

- [Basic Addition](#)
- [Level 2 Addition](#)
- [Carrying when adding three digit numbers](#)
- [Addition 4](#)

Subtraction:

- [Basic Subtraction](#)
- [Subtraction 2](#)
- [Basic regrouping when subtracting three digit numbers](#)
- [Alternate Mental Subtraction](#) (optional)

Multiplication:

- [Basic Multiplication](#)
- Multiplication 2: [The Multiplication Tables](#)
- Multiplication 3: [10,11,12 Times Tables](#)
- Multiplication 4: [2-Digit Times 1-Digit Number](#)
- Multiplication 5: [2-Digit Times 2-Digit Number](#)
- Multiplication 6: [Multiple Digit Numbers](#)

Division:

- [Division 1](#)
- [Division 2](#)
- [Division 3: More Long Division and Remainder Examples](#)
- [Level 4 Division](#)

Video Tutorials from the “Arithmetic and Pre-Algebra” section of [Kahn Math Academy Videos](#)

Place Value:

- [Place Value](#)
- [Place Value 2](#)
- [Place Value 3](#)

Rounding and Estimating:

- [Rounding Whole Numbers 1](#)
- [Rounding Whole Numbers 2](#)
- [Rounding Whole Numbers 3](#)

Order of Operation:

- [Order of Operations](#)

Exponents:

- [Understanding Exponents 2](#)
- [Understanding Exponents](#)

Pre-Algebra Tutorials on [Math.com](#)

Under the “Numbers” heading, click on:

- [Place Values](#)
- [Exponents](#)

Algebra Tutorials on [Math.com](#)

Note: Select “Algebra” from the “Select Subject” drop down menu on the left hand side of the Pre-Algebra page.

Under the “Language of Algebra” heading, click on:

- [Order of Operations](#)

Multiplication Practice on [AAASstudy.com](#)

Algebra Lessons on [Algebrahelp.com](#)

Note: Select the “Lessons” tab from the top of the webpage. Scroll down to the “Simplifying” section.

- [Order of Operations](#)
- [Exponents of Numbers](#) **Note:** You are not responsible for negative numbers.

Math Practice Quizzes on [Thatquiz.com](#)

- Under the “Integers” heading, select “[Arithmetic.](#)”
 - Once a quiz is generated, you may change the level of questions, number of questions, type of questions, availability of feedback, and timing options by using the menu on the left-hand side of the screen.
 - You may turn on or off the type of questions and question-settings by checking or unchecking the box next to the mathematical operation or setting name.
 - You should practice “**Addition**”, “**Subtraction**”, “**Multiplication**”, and “**Division**” on the “**Simple**”, “**Inverted**”, “**Long A**”, or “**Long B**” settings.
 - **Note:** the “**Negative**” box should remain unchecked.

- Under the “Integers” heading, select “[Exponents.](#)”
 - You may change the quiz level, number of questions, availability of feedback, and timing options within the menu on the left-hand side. You will not be responsible for the additional question types.
 - **Note:** Only work in levels 1-4.

Math Practice Problems:

Are you ready for a practice quiz? Make sure you cover up the answers with a piece of paper before you begin. Please complete your computations without the use of a calculator.

Practice Problems:

1. Round **54,692,452** to the nearest hundred.
2. Round **32,794,257** to the nearest ten thousand.
3. **4 + 3 =**
4. **7 + 5 =**
5. **17 + 8 =**
6. **11 + 4 =**
7. **24 + 52 =**
8. **37 + 13 =**
9. **109 + 43 =**
10. **234 + 118 =**
11. **7 - 2 =**
12. **6 - 3 =**
13. **18 - 5 =**
14. **12 - 9 =**
15. **75 - 38 =**
16. **97 - 33 =**
17. **108 - 29 =**
18. **863 - 767 =**
19. **4 × 0 =**
20. **8 × 1 =**
21. **6 × 7 =**
22. **18 × 3 =**
23. **9 × 49 =**
24. **493 × 7 =**
25. **22 × 15 =**
26. **18 × 18 =**
27. **8 ÷ 4 =**
28. **7 ÷ 3 =**
29. **36 ÷ 6 =**
30. **95 ÷ 7 =**
31. **87 ÷ 26 =**
32. **45 ÷ 15 =**
33. **324 ÷ 4 =**
34. **503 ÷ 10 =**
35. **(5 - 2) ÷ 3 + 4 =**
36. **3 × 2³ ÷ 4 + (45 - 17) =**
37. **(39 + 61) ÷ (41 - 4²) =**
38. **(39 - 28) × 15 - (31 + 9) =**
39. **83 - 38 + 19 × 4 =**
40. **14 × 5 ÷ 2 ÷ (168 ÷ 24) =**
41. **3³ × 2² ÷ [3 × (51 - 47)] =**
42. **40 + {13 × (5 - 4) - [240 ÷ (12 × 20)] - 10} =**

Answers:

1. **54,692,500**
2. **32,790,000**
3. **7**
4. **12**
5. **25**
6. **15**
7. **76**
8. **50**
9. **152**
10. **352**
11. **5**
12. **3**
13. **13**
14. **3**
15. **37**
16. **64**
17. **79**
18. **96**
19. **0**
20. **8**
21. **42**
22. **54**
23. **441**
24. **3451**
25. **330**
26. **324**
27. **2**
28. **2 R1**
29. **6**
30. **13 R4**
31. **3 R9**
32. **3**
33. **81**
34. **50 R3**
35. **5**
36. **34**
37. **4**
38. **125**
39. **121**
40. **5**
41. **9**
42. **42**

