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 www.germanna.edu/tutor/ 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" section of Kahn Academy Math Videos

Addition:

- Basic Addition
- Addition 2
- Level 2 Addition
- Addition 3
- Addition 4

Subtraction:

- Basic Subtraction
- Subtraction 2
- Subtraction 3: Introduction to Borrowing or Regrouping
- Alternate Mental Subtraction (optional)
- Subtraction 4

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 "Developmental Math" 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
- Rounding to Estimate Differences
- Rounding to Estimate Sums
- Rounding to Estimate Sums 2

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 Multiplication.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. $4 \times 0 =$
20. $8 \times 1 =$
21. $6 \times 7 =$
22. $18 \times 3 =$
23. $9 \times 49 =$
24. $493 \times 7 =$
25. $22 \times 15 =$
26. $18 \times 18 =$
27. $8 \div 4 =$
28. $7 \div 3 =$
29. $36 \div 6 =$
30. $95 \div 7 =$
31. $87 \div 26 =$
32. $45 \div 15 =$
33. $324 \div 4 =$
34. $503 \div 10 =$
35. $(5 - 2) \div 3 + 4 =$
36. $3 \times 2^3 \div 4 + (45 - 17) =$
37. $(39 + 61) \div (41 - 4^2) =$
38. $(39 - 28) \times 15 - (31 + 9) =$
39. $83 - 38 + 19 \times 4 =$
40. $14 \times 5 \div 2 \div (168 \div 24) =$
41. $3^3 \times 2^2 \div [3 \times (51 - 47)] =$
42. $40 + \{13 \times (5 - 4) - [240 \div (12 \times 20)] - 10\} =$

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