

2025-2026 Math Summer Work

*If any student is still struggling with basic math operations (addition, subtraction, multiplication, division) using integers, fractions, or decimals, PLEASE prioritize mastery of those skills before attempting any of the other IXL concepts.

*If you were in Mr. Keeton's class last year, please be sure to also prioritize your customized learning plan in IXL.

At a *minimum*, students are expected to spend *20 minutes* practicing each concept (link). Please feel free to work on additional concepts, or spend more time on anything with which you may be struggling. Focus on understanding why you are making the mathematical choices you select and being able to show your work. Remember, IXL provides instructional videos, examples, etc. for each problem! You are also encouraged to use any other supplemental resources such as Khan Academy, Organic Chemistry Tutor, Mario Math Tutor, family members, etc. to help foster your understanding of the assigned problems. The objective isn't necessarily to obtain full mastery of each concept; the objective is taking the time to be exposed to the concepts and intentionally attempting to understand them. These problems (for each grade level) consist of some concepts that will be familiar, and some that students may see for the very first time.

Rising 6th Math

1. <https://www.ixl.com/math/grade-6/add-and-subtract-whole-numbers-word-problems>
2. <https://www.ixl.com/math/grade-6/multiply-three-or-more-numbers-word-problems>
3. <https://www.ixl.com/math/grade-6/divide-whole-numbers-3-digit-divisors>
4. <https://www.ixl.com/math/grade-6/evaluate-exponents>
5. <https://www.ixl.com/math/grade-6/gcf-and-lcm-word-problems>
6. <https://www.ixl.com/math/grade-6/add-and-subtract-hj-word-problems>
7. <https://www.ixl.com/math/grade-6/multiply-and-divide-decimals-word-problems>
8. <https://www.ixl.com/o/grade-6/convert-between-decimals-and-mixed-numbers>
9. <https://www.ixl.com/math/grade-6/add-and-subtract-mixed-numbers-word-problems>
10. <https://www.ixl.com/math/grade-6/multiply-three-or-more-mixed-numbers-fractions-and-or-whole-numbers>
11. <https://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers>
12. <https://www.ixl.com/math/grade-6/graph-integers-on-horizontal-and-vertical-number-lines>
13. <https://www.ixl.com/math/grade-6/add-integers>
14. <https://www.ixl.com/math/grade-6/subtract-integers>
15. <https://www.ixl.com/math/grade-6/multiply-integers>
16. <https://www.ixl.com/math/grade-6/divide-integers>
17. <https://www.ixl.com/math/grade-6/add-subtract-multiply-or-divide-two-fractions>
18. <https://www.ixl.com/math/grade-6/add-subtract-multiply-or-divide-two-integers>
19. <https://www.ixl.com/math/grade-6/multiply-and-divide-rational-numbers>
20. <https://www.ixl.com/math/grade-6/use-logical-reasoning-to-find-the-order>
21. <https://www.ixl.com/math/grade-6/multi-step-word-problems>

22. <https://www.ixl.com/math/grade-6/solve-the-proportion>
23. <https://www.ixl.com/math/grade-6/convert-between-percents-fractions-and-decimals>
24. <https://www.ixl.com/math/grade-6/percents-calculate-tax-tip-mark-up-and-more>
25. <https://www.ixl.com/math/grade-6/area-of-compound-figures-with-triangles>

Rising 7th Math:

1. <https://www.ixl.com/math/grade-7/prime-factorization>
2. <https://www.ixl.com/math/grade-7/greatest-common-factor>
3. <https://www.ixl.com/math/grade-7/gcf-and-lcm-word-problems>
4. <https://www.ixl.com/math/grade-7/scientific-notation>
5. <https://www.ixl.com/math/grade-7/integer-inequalities-with-absolute-values>
6. <https://www.ixl.com/math/grade-7/add-subtract-multiply-and-divide-integers>
7. <https://www.ixl.com/math/grade-7/evaluate-numerical-expressions-involving-integers>
8. <https://www.ixl.com/math/grade-7/add-subtract-multiply-and-divide-decimals-word-problems>
9. <https://www.ixl.com/math/grade-7/add-subtract-multiply-or-divide-two-decimals>
10. <https://www.ixl.com/math/grade-7/add-subtract-multiply-and-divide-fractions-and-mixed-numbers-word-problems>
11. <https://www.ixl.com/math/grade-7/multiply-and-divide-rational-numbers>
12. <https://www.ixl.com/math/grade-7/evaluate-numerical-expressions-involving-exponents>
13. <https://www.ixl.com/math/grade-7/solve-proportions-word-problems>
14. <https://www.ixl.com/math/grade-7/constant-rate-of-change>
15. <https://www.ixl.com/math/grade-7/identify-independent-and-dependent-variables>
16. <https://www.ixl.com/math/grade-7/graph-a-two-variable-equation>
17. <https://www.ixl.com/math/grade-7/solve-two-step-equations-with-parentheses>
18. <https://www.ixl.com/math/grade-7/solve-equations-complete-the-solution>
19. <https://www.ixl.com/math/grade-7/convert-between-percents-fractions-and-decimals>
20. <https://www.ixl.com/math/grade-7/percent-of-a-number-tax-discount-and-more>
21. <https://www.ixl.com/math/grade-7/area-of-compound-figures-with-triangles-semicircles-and-quarter-circles>
22. <https://www.ixl.com/math/grade-7/volume-of-cubes-and-rectangular-prisms-word-problems>
23. <https://www.ixl.com/math/grade-7/write-a-linear-function-from-a-graph>
24. <https://www.ixl.com/math/grade-7/calculate-mean-median-mode-and-range>
25. <https://www.ixl.com/math/grade-7/compound-events-find-the-number-of-outcomes>

Rising 8th Math:

1. <https://www.ixl.com/math/grade-8/evaluate-numerical-expressions-involving-integers>
2. <https://www.ixl.com/math/grade-8/checkpoint-integer-exponents>
3. <https://www.ixl.com/math/grade-8/checkpoint-scientific-notation>
4. <https://www.ixl.com/math/grade-8/checkpoint-square-and-cube-roots>
5. <https://www.ixl.com/math/grade-8/convert-between-decimals-and-fractions-or-mixed-numbers>

6. <https://www.ixl.com/math/grade-8/solve-proportions-word-problems>
7. <https://www.ixl.com/math/grade-8/checkpoint-proportional-relationships>
8. <https://www.ixl.com/math/grade-8/percent-of-change-find-the-original-amount-word-problems>
9. <https://www.ixl.com/math/grade-8/multi-step-problems-with-percents>
10. <https://www.ixl.com/math/grade-8/convert-rates-and-measurements-metric-units>
11. <https://www.ixl.com/math/grade-8/multi-step-word-problems>
12. <https://www.ixl.com/math/grade-8/checkpoint-triangles-and-transversals>
13. <https://www.ixl.com/math/grade-8/checkpoint-congruence-transformations>
14. <https://www.ixl.com/math/grade-8/checkpoint-transformations-on-the-coordinate-plane>
15. <https://www.ixl.com/math/grade-8/checkpoint-applications-of-the-pythagorean-theorem>
16. <https://www.ixl.com/math/grade-8/checkpoint-volume>
17. <https://www.ixl.com/math/grade-8/checkpoint-solve-linear-equations>
18. <https://www.ixl.com/math/grade-8/graph-solutions-to-multi-step-inequalities>
19. <https://www.ixl.com/math/grade-8/checkpoint-slope-and-linear-equations>
20. <https://www.ixl.com/math/grade-8/checkpoint-understand-functions>
21. <https://www.ixl.com/math/grade-8/checkpoint-construct-and-interpret-linear-functions>
22. <https://www.ixl.com/math/grade-8/checkpoint-systems-of-equations>
23. <https://www.ixl.com/math/grade-8/add-and-subtract-polynomials>
24. <https://www.ixl.com/math/grade-8/checkpoint-linear-models-interpret-and-solve>
25. <https://www.ixl.com/math/grade-8/compound-events-find-the-number-of-outcomes>