



If you are registered for **Algebra 1** in the 2021-2022 school year, please complete your summer math work from *Grade 8 Math topics in IXL* to a *Smart Score of at least 90*. Your deadline is no later than August 31, 2021.

To prepare yourself for a successful year ahead in math, *please do not use a calculator*, unless you have a learning plan on file with our SJB program which allows the use of one. Having basic addition, subtraction, multiplication, and division facts committed to memory will enable a smoother transition into your next math course.

### **Grade 8 Math topics in IXL**

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| 1. <b>B.4</b> Compare and order integers                        | 11. <b>D.7</b> Compare rational numbers                                  |
| 2. <b>C.1</b> Integer addition and subtraction rules            | 12. <b>D.8</b> Put rational numbers in order                             |
| 3. <b>C.3</b> Add and subtract integers                         | 13. <b>E.2</b> Add and subtract rational numbers                         |
| 4. <b>C.4</b> Add and subtract three or more integers           | 14. <b>E.3</b> Add and subtract rational numbers: word problems          |
| 5. <b>C.5</b> Add and subtract integers: word problems          | 15. <b>E.4</b> Apply addition and subtraction rules                      |
| 6. <b>C.6</b> Integer multiplication and division rules         | 16. <b>E.5</b> Multiply and divide rational numbers                      |
| 7. <b>C.7</b> Multiply and divide integers                      | 17. <b>E.6</b> Multiply and divide rational numbers: word problems       |
| 8. <b>C.8</b> Evaluate numerical expressions involving integers | 18. <b>E.7</b> Apply multiplication and division rules                   |
| 9. <b>D.1</b> Write fractions in lowest terms                   | 19. <b>E.9</b> Evaluate numerical expressions involving rational numbers |
| 10. <b>D.2</b> Least common denominator                         | 20. <b>J.1</b> Convert between percents, fractions, and decimal          |

Sometimes, IXL will release updates during the summer months that will change the topic letter and number. Please refer to the topic names. For example, complete “Compare and order integers” regardless the listed letter and number. If an update does occur, you can use the skill updates page to see any changes made to existing skill codes. The update page is located at <http://ixl.com/skill-updates>.

To log on to Maryvale’s IXL, please go to <https://www.IXL.com/signin/maryvale>. Email Mrs. Dicriscio ([dicrisciob@maryvale.com](mailto:dicrisciob@maryvale.com)) if you need support logging on or with the program.