

Summer Math for students that completed 7th On-level Math with Spencer in 2022-23

IXL Summer Math Lessons

Directions: This list is for students who completed 7th On-Level Math with Mrs. Spencer. To receive full credit for summer math, students must earn an **85%** on each completed lesson. Students must complete **15 mandatory lessons** and **5 additional lessons chosen from the list** below.

Once in IXL, go to **Grade 7** to find lessons.

15 Mandatory IXL Lessons

| TYPE THIS CODE INTO SEARCH BAR | LESSON TITLE | √ |
|--------------------------------------|---|---|
| GKU | Add and subtract rational numbers (No calculator) | |
| BXW | Multiply and divide rational numbers (No calculator) | |
| TDA | Solve proportions | |
| LKZ | Find the constant of proportionality from a table | |
| ZUT | Find the constant of proportionality from a graph | |
| 2HW | Convert between percents, fractions, and decimals | |
| SPN | Percent of a number: tax, discount and more | |
| VXU | Coordinate plane review | |
| XMD | Write variable expressions: word problems | |
| NUY | Multiply using the distributive property | |
| 6BT | Add and subtract linear expressions | |
| QEB | Solve two-step equations | |
| HKG | Identify complementary, supplementary, vertical, adjacent, & congruent angles | |
| CST | Find measures of complementary, supplementary, vertical & adjacent angles | |
| U2A | Calculate mean, median, mode, and range | |

5 "Choice" Lessons: Choose 5 additional IXL lessons from the list below.

| TYPE THIS CODE INTO SEARCH BAR | LESSON TITLE | √ |
|--------------------------------------|---|---|
| LVS | Divisibility rules (No calculator) | |
| A63 | Add integers using number lines (No calculator) | |
| FGG | Subtract integers using number lines (No calculator) | |
| NB8 | Understand multiplying by a negative integer using a number line (No calculator) | |
| R8D | Multiply and divide integers (No calculator) | |
| D7P | Evaluate numerical expressions involving exponents (No calculator) | |

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| N7G | Unit prices | |
| T56 | Evaluate multi-variable expressions | |
| E7H | Identify terms and coefficients | |
| VSW | Solve equations involving like terms | |
| 6TT | Graph solutions to two-step inequalities | |
| 2LU | Complete a table for a two-variable relationship | |
| YA8 | Area of Circles | |
| URT | Volume of cubes and prisms | |
| RFP | Surface Area of cubes and prisms | |