

SUMMER IXL

(Revised to accommodate new skills numbers as of July, 2020).

Fall 2020 Placement – ACCELERATED MATH 7 - IXL Sections (under the Math 7 section) – Complete the following skills in the “Florida Standards” 7th-grade section up to a SmartScore of 90 or better - calculators ARE permitted (12 links total). These are all skills covered in the 6th grade course. If the link was already completed during a previous school year, students must re-start the link, and complete the link again during the summer of 2020.

7.EE.1 Use properties of operations to generate equivalent expressions.

- **7.EE.1.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.**

- Multiply using the distributive property (7-R.11)
- Add and subtract linear expressions (7-R.14)
- Factors of linear expressions (7-R.16)

7.EE.1.2 Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.

- Identify equivalent linear expressions: word problems (7-R.19) (7.R.20)

7.EE.2.3 Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.

- Evaluate linear expressions (7-R.4)
- Evaluate multi-variable expressions (7-R.5)
- Evaluate nonlinear expressions (7-R.7)

7.NS.1.1.b Understand $p + q$ as the number located a distance $|q|$ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.

- Integer addition and subtraction rules (7-C.7) (7.C.10)
- Add integers (7-C.3) (7.C.4)
- Add and subtract fractions (7-G.1)

7.NS.1.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.

- Integer multiplication and division rules (7-C.16) (7.C.20)
- Multiply and divide integers (7-C.17) (7.C.21)