

# Academy of Greatness and Excellence

Summer of 2022

## 7<sup>th</sup> Grade IXL Summer Math Assignment



Assalamu Alaikum WRWB Dear Students,

Congratulations on becoming a 7<sup>th</sup> grader. Students who completed 6<sup>th</sup> grade at AGE are being asked to complete the accompanying IXL Math assignments over the summer. You had a busy year learning new Math skills during 6<sup>th</sup> grade. Mastery in all these skills is extremely important. In order to help you stay sharp in Math skills this summer, the Math team has designed a Summer Math Program based on IXL lessons, so you stay engaged in practicing essential Math skills that you have already learned. IXL is a comprehensive, Common Core Standards-Aligned Math Program offering unlimited practice in thousands of skills. One of the best things about IXL is that it is a web-based program so you may use it either from your computer at home or on a smart phone/tablet while at the park!

### **Student Expectations:**

- ✓ Each student must **get a smart score of 85% for each skill assigned.**
- ✓ Students should log on to <https://www.ixl.com/signin/age> and complete the assigned skills according to grade level.
- ✓ The user id and password will be the same as provided to you by your AGE teachers. While we encourage all our students to rest and relax during the summer months, it is also important to take time to reinforce and maintain academic skills gained throughout the school year specially if you struggled in Math.
- ✓ All IXL assignments are to be completed by **September 1, 2022.**
- ✓ **Usage of calculator is not allowed.**

**Practice, excel, and have a great summer!**

## **Directions:**

- Login to your account.
- Select **Grade 6** and find the following listed assigned work. Even if you had done some of the listed lessons during your 6<sup>th</sup> grade school year, you will still need to do it again. You must score a smart score of at least 85 for each lesson. **If you get an answer wrong, read the explanation to understand it better, then proceed.**
- **Always sit with pencil and paper to work and answer questions.**

## **List of IXL lessons from 6<sup>th</sup> grade Math:**

- B.2 Multiply whole numbers: word problems
- B.6 Multiply three or more numbers
- B.7 Multiply three or more numbers: word problems
- C.3 Divide numbers ending in zeroes: word problems
- C.5 Divide whole numbers - 2-digit divisors
- C.6 Divide whole numbers - 3-digit divisors
- E.3 Prime or composite
- E.4 Identify factors
- E.8 Greatest common factor
- E.10 Least common multiple
- F.2 Decimal place values

- F.3 Word names for decimal numbers
- F.4 Put decimal numbers in order
- F.6 Round decimals
- G.2 Add and subtract decimals: word problems
- H.2 Multiply decimals
- H.5 Divide decimals by whole numbers: word problems
- H.6 Multiply and divide decimals by powers of ten
- I.2 Understanding fractions: word problems
- I.3 Equivalent fractions review
- I.5 Least common denominator
- I.8 Convert between improper fractions and mixed numbers
- I.9 Convert fractions to decimals
- I.11 Convert between decimals and fractions
- I.13 Put a mix of decimals and fractions in order
- J.2 Add and subtract fractions with like denominators: word problems
- J.4 Add and subtract fractions with unlike denominators: word problems
- J.6 Add and subtract mixed numbers
- J.8 Estimate sums and differences of mixed numbers
- J.9 Maps with fractional distances

- K.7 Multiply fractions: word problems
- K.12 Multiply mixed numbers and whole numbers
- K.13 Multiply mixed numbers
- L.2 Reciprocals
- L.3 Divide whole numbers and unit fractions
- L.4 Divide fractions by whole numbers in recipes
- L.5 Divide fractions
- L.7 Divide fractions and mixed numbers
- O.4 Evaluate numerical expressions involving whole numbers
- O.8 Evaluate numerical expressions involving decimals
- Q.1 Estimate to solve word problems
- Q.2 Multi-step word problems
- Q.3 Multi-step word problems: identify reasonable answers
- R.5 Identify equivalent ratios
- R.9 Unit rates
- R.16 Do the ratios form a proportion?
- S.4 Convert between percents, fractions, and decimals
- S.5 Convert between percents, fractions, and decimals: word problems
- S.10 Percents of numbers and money amounts

- Y.3 Write variable expressions: word problems
- Y.6 Evaluate variable expressions with decimals, fractions, and mixed numbers
- Z.2 Which  $x$  satisfies an equation?
- Z.3 Write an equation from words
- Z.8 Solve one-step multiplication and division equations with whole numbers

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