

Dear Rising 6th Graders,

Below is your summer Math work. There are two sets of skills. The first you are expected to master over the summer. The second will assist you if you are struggling with the first. You are not required to master the 2nd set of skills, but if you need help, please use them. You will be using the 6th grade section of IXL. Do not use a calculator.

**Skill Set #1: Mastery Required (Smart Score of 100)**

- Whole Numbers:
  - 6.B.1: Multiply Whole Numbers (If mastery achieved quickly then work to mastery on 6.B.3)
  - 6.C.5: Divide Whole Numbers (If mastery achieved quickly then work to mastery on 6.C.6)
- Decimal Numbers:
  - 6.G.1: Add and Subtract Decimal Numbers
  - 6.H.2: Multiply Decimal Numbers
  - 6.H.4: Divide Decimals by Whole Numbers
  - 6.H.7: Division with Decimal Quotients
- Fractions:
  - 6.J.3: Add and Subtract Fractions with Unlike Denominators
  - 6.J.6: Add and Subtract Mixed Numbers
  - 6.K.6: Multiply Two Fractions
  - 6.K.11: Multiply Mixed Numbers
  - 6.L.7: Divide Fractions and Mixed Numbers

**Skill Set #2: Assistance Skills**

- Whole Numbers:
  - 6<sup>th</sup> Grade:
    - 6.A.1: Place Value in Whole Numbers
    - 6.A.5: Add and Subtract Whole Numbers
  - 5<sup>th</sup> Grade:
    - 5.C.10: Box Multiplication
    - 5.C.11: Lattice Multiplication
    - 5.C.12: Multiply by 2-digit Numbers-Complete the Missing Steps
    - 5.D.1: Division Facts to 12
- Decimal Numbers:
  - 6.F.2: Decimal Place Values
  - 6.F.3: Word Names for Decimals
  - 6.F.5: Put decimals in Order
  - 6.G.3: Estimate Sums and Differences of Decimals
  - 6.H.1: Estimate Products of Decimal Numbers
  - 6.H.6: Multiply and Divide Decimals by Powers of 10
- Fractions:
  - 6.I.3: Equivalent Fractions Review

- 6.1.4: Write Fractions in Lowest Terms
- 6.1.6: Least Common Denominator
- 6.1.7: Compare Fractions with Like and Unlike Denominators
- 6.1.9: Convert between Improper Fractions and Mixed Numbers

You should be ready to take an assessment the first week of school that will show your mastery of the skills above.

Enjoy your summer and see you in August!  
The Middle School Math Team

Parent Signature to Verify: Please turn in on the first day of school.

---