Unit 2 – REAL NUMBERS (Weeks 1-5)

Spend approximately one hour per day (includes class time), five days per week on the following:

- Watch a video and complete guided Notes (20-30 min)
- Complete Practice worksheet (25-50 min)
- Khan Academy skill (5-15 min) (Note: Khan skills may be completed before worksheet if desired)
- Mastery Check (5-15 min)
- Complete 3 Khan Mastery Challenges each week (20-30 min per week) – begin on wk. 2

Week 1 (or Week _____):

2.1 Adding Integers (Math 7):

○ **Workbook:** 2.1 Adding Integers NOTES
   Video Link: https://youtu.be/hnYAQ4NV-qQ

○ **Workboo**k: 2.1 Adding Integers PRACTICE

Khan – Integers: addition and subtraction (7th Grade Course)

○ Khan Quiz 1: Integers: addition and subtraction

Mastery Check:

○ 2.1 Adding Integers

2.2 Subtracting Integers (Math 7):

○ **Workbook:** 2.2 Subtracting Integers Video & NOTES
   Video Link: https://youtu.be/uy25XZihSeQ?si=Gre5xhNi97Gjg5T2

○ **Workboo**k: 2.2 Subtracting Integers PRACTICE

Khan – Integers: addition and subtraction (7th Grade Course)

○ Khan Quiz 2: Integers: addition and subtraction

○ Khan Test: Integers: addition and subtraction

Week 2 (or Week ____):

○ 3 Mastery Challenges ☐ ☐ ☐

Mastery Check:

○ 2.2 Subtracting Integers

2.1 Real Numbers:

○ **Workbook:** 2.1 Real Numbers Video & NOTES
   Video Link: https://youtu.be/j_pdoJd3Tds?si=6VIGqlxiyOEcIEfP

○ **Workboo**k: 2.1 Real Numbers PRACTICE

Khan: Numbers and Operations (8th Grade Course)

○ Khan: Classify numbers: rational & irrational

Mastery Check:

○ 2.1 Real Numbers

2.2 Add and Subtract Real Numbers:

○ **Workbook:** 2.2 Add and Subtract Real Numbers Video & NOTES
   Video Link: https://youtu.be/DGdgbZ68JN0?si=a2AwFY8tJPBe8j34

○ **Workboo**k: 2.2 Add and Subtract Real Numbers PRACTICE

Khan: Numbers and Operations (8th Grade Course)

○ Khan: Classify numbers

Week 3 (or Week ____):

○ 3 Mastery Challenges ☐ ☐ ☐

Khan: Rational numbers: addition and subtraction (7th Grade Course)

○ Khan: Absolute value to find distance

○ Khan: Adding & subtracting negative fractions

○ Khan: Adding & subtracting rational numbers

○ Khan: Commutative and associative properties of addition with integers

Mastery Check:

○ 2.2 Add and Subtract Real Numbers

2.3 Multiply and Divide Real Numbers:

○ **Workbook:** 2.3 Multiply and Divide Real Numbers Video & NOTES
    Video Link: https://youtu.be/UipVd1SdiKM?si=mNV0etucJ7hWqwbl

○ **Workbook:** 2.3 Multiply and Divide Real Numbers PRACTICE

Khan: Negative Numbers: multiplication and division (7th Grade Course)

○ Khan: Multiply negative numbers

○ Khan: Dividing negative numbers

○ Khan: Multiplying positive and negative fractions

○ Khan: Dividing mixed numbers with negatives

○ Khan: Exponents with integer bases

Week 4 (or Week _____):

○ 3 Mastery Challenges ☐ ☐ ☐

Khan: Negative Numbers: multiplication and division (7th Grade Course)

○ Khan: Exponents with negative fractional bases

○ Khan: Order of operations with negative numbers

Mastery Check:

○ 2.3 Multiply and Divide Real Numbers

Unit 2

2.4 Combine Like Terms and Distributive Property:

○ **Workbook:** 2.4 Combine Like Terms and Distributive Property Video & NOTES
Video Link: https://youtu.be/6teopboDrBY?si=yg9SODXrKcY55Bfa

○ **Workbook:** 2.4 Combine Like Terms and Distributive Property PRACTICE

Khan: Expressions, equations, & inequalities (7th Grade Course)

○ Khan: Combining like terms with negative coefficients

○ Khan: Combining like terms with negative coefficients & distribution

○ Khan: Combining like terms with rational coefficients

○ Khan: Distributive property with variables (negative numbers)

○ Khan: Equivalent expressions: negative numbers & distribution

Unit 2 REVIEW & TEST

○ **Workbook:** Unit 2 REVIEW

Week 5 (1 day) (or Week ____):

○ **Test:** REAL NUMBERS