



Math Summer Assignment for
Math 7
Wall Township Math Department
Optional Summer Assignment



- ★ This summer assignment is intended to prepare you for the math course above.
- ★ You will find examples and video links to help you complete the practice.
- ★ It is important to complete this practice *without the use of a calculator*.

Skill 1: Converting Fractions and Decimals



Helpful Video Link:

- [How to Convert Fractions to Decimals](#)
- [Converting Decimals to Fractions \(Tenths, Hundredths, and Thousandths\)](#)

Practice: Convert to a fraction.

1)	0.5	2)	0.06	3)	0.49
4)	6.54	5)	2.3	6)	11.9

Practice: Convert to a decimal..

1)	$\frac{9}{10}$	2)	$\frac{12}{10}$	3)	$\frac{13}{1000}$
4)	$\frac{1754}{1000}$	5)	$\frac{615}{100}$	6)	$\frac{9}{1000}$

Skill 2: Operations with Fractions



Helpful Video Link:

- [Fraction Review | How to Add, Subtract, Multiply, and Divide Fractions](#)
- [Mixed Operations with Fractions](#)

Practice: Perform the operations below.

1)	$5\frac{1}{2} + \frac{3}{4}$	2)	$4\frac{1}{12} + \frac{1}{3}$	3)	$7\frac{3}{4} - 4\frac{2}{3}$
4)	$\frac{4}{7} \times \frac{3}{5}$	5)	$\frac{7}{10} \times 2\frac{3}{14}$	6)	$\frac{2}{9} \div 3\frac{1}{9}$

Skill 3: Operations with Decimals



Helpful Video Link:

→ [Decimal Review | Add, Subtract, Multiply, and Divide Decimals](#)

Practice: Perform the operations below.

1)	$24.61 - 2.8$	2)	$2.356 + 8.42$	3)	$78.09 + 25.3 - 14.95$
4)	0.18×0.6	5)	$315 \div 0.9$	6)	$58.08 \div 4.8$

Skill 4: Area of triangles



Helpful Video Link:

→ [How to Find the Area of a Triangle | Calculate the Area of a Triangle](#)

Practice: find the area of each triangle

1)		2)	3)
4)		5)	6)

7) The area of a triangle is 6 square units. The base and height are whole numbers. What are two possible measurements for the base and the height?

Skill 5: Number patterns



Helpful Video Link:

→ [6th Grade Math Tutorials: Describing Number Patterns](#)

Practice: Write the next three numbers in the sequence.

1)	1, 5, 9, 13...	2)	64, 58, 52, 46...	3)	3, 12, 48, 192...
4)	64, 32, 16, 8...	5)	1, 3, 7, 13...	6)	1, 1, 2, 3, 5..