6th Grade Supply List ~ 2022-2023 School Year
Memorial Middle School- Hull, MA

Incoming 6th grade students will need the following school supplies:

- 5 STURDY vinyl pocket folders

- a classic composition notebook

- PENCILS, PENCILS, and more PENCILS ☺

- blue or black pens

- a set of colored highlighters (including yellow, pink, green, and blue)

- 1 pack of colored pencils

- a simple pair of earbuds or headphones to plug into the Chromebook

A combination lock will be provided by the school, and the purchase of a locker shelf is recommended to help with locker organization and storage.

Entering Grade 6: Summer Reading 2022
Hull Memorial Middle School

1. Choose at least **ONE** of the novels listed in the table below to read this summer.
2. Complete the Summer Reading Notes Worksheet about this novel.

3. Enjoy reading <u>at least one</u> other novel of your choice. (No notes needed.)
   Suggested books for 6th grade students can be found at https://www.ala.org/alsc/.

Title	Author	Annotations from Amazon.com
<u>Because of Mr. Terupt</u>	Rob Buyea	It's the start of fifth grade at Snow Hill School. There's . . . Jessica, the new girl; Alexia, a bully; Peter, class prankster; Luke, the brain; Danielle, who never stands up for herself; shy Anna; and Jeffrey, who hates school. Only Mr. Terupt, their new and energetic teacher, seems to know how to deal with them all...until the snowy winter day when an accident changes everything—and everyone.
<u>Restart</u>	Gordon Korman	<u>Restart</u> is the spectacular story of a kid with a messy past who has to figure out what it means to get a clean start...Chase doesn't remember hitting his head. He doesn't, in fact, remember *anything*. He wakes up in a hospital room and suddenly has to learn his whole life all over again...When he gets back to school, he sees that different kids have very different reactions to his return. Some kids treat him like a hero. Some kids are clearly afraid of him. Pretty soon, it's not only a question of who Chase is--it's a question of who he *was* . . . and who he's going to be.
<u>The Miscalculations of Lightning Girl</u>	Stacy McAnulty	Lucy Callahan's life was changed forever when she was struck by lightning... The zap gave her genius-level math skills, and she's been homeschooled ever since. Now, at 12 years old, she's technically ready for college. She just has to pass 1 more test--middle school! Lucy's grandma insists: Go to middle school for 1 year. Make 1 friend. Join 1 activity. And read 1 book (that's not a math textbook!).
<u>Aru Shah and the End of Time</u>	Roshani Chokshi	Twelve-year-old Aru Shah has a tendency to stretch the truth in order to fit in at school. One day, three schoolmates show up at Aru's doorstep to catch her in a lie. They don't believe her claim that the museum's Lamp of Bharata is cursed, and they dare Aru to prove it. Just a quick light, Aru thinks. But lighting the lamp has dire consequences. She unwittingly frees the Sleeper, an ancient demon whose duty it is to awaken the God of Destruction. Her classmates and beloved mother are frozen in time, and it's up to Aru to save them.
<u>Frazzled: Everyday Disasters and Impending Doom</u>	Booki Vivat	Meet Abbie Wu. Abbie is in crisis - and not just because she's starting middle school or because she's stuck in a family that doesn't quite get her or because everyone seems to have a Thing except her. Abbie Wu is always in crisis.
<u>From the Desk of Zoe Washington</u>	Janae Marks	Zoe Washington isn't sure what to write. What does a girl say to the father she's never met, hadn't heard from until his letter arrived on her twelfth birthday, and who's been in prison for a terrible crime? A crime he says he never committed. Zoe is determined to uncover the truth- even if it means hiding his letters and her investigation from the rest of her family. Everyone else thinks Zoe's worrying about doing a good job at her bakery internship and proving to her parents that she's worthy of auditioning for Food Network's Kids Bake Challenge.

Entering Grade 6: Summer Reading Notes

Characters Which characters are the main characters in this novel?	
Major Plot Events (5) List 5 important events that occurred in this novel. List them in chronological order.	
Conflict What was the central problem that the main character(s) struggled with?	
Resolution How was this conflict resolved?	
Theme What <u>lesson about life</u> can the reader learn from this story?	(HINT: Think about a life lesson that the main character(s) learned as a result of events in the novel.)

| Main Character's Name and a Character Trait that best describes him/her	Provide <u>DIRECT TEXTUAL EVIDENCE</u> from the novel to show that this character trait describes the main character (What does the character do or say to demonstrate this trait?)	Page #
Example: Wallace is **courageous**.	Author's Words- Word for Word Quote From The Novel: "He stared down the bully with a defiant and confident attitude."	Example: Page 10

Summer Math Packet
Entering Grade 6

MATH IS POWER

Packet Due: Friday, September 2, 2022
Directions:

- Complete each problem.

- **Show all work** neatly in the packet.

- Do **NOT** use a calculator.

- If you are stuck on a particular problem, ask someone at home for help or check out some of the math websites posted below.
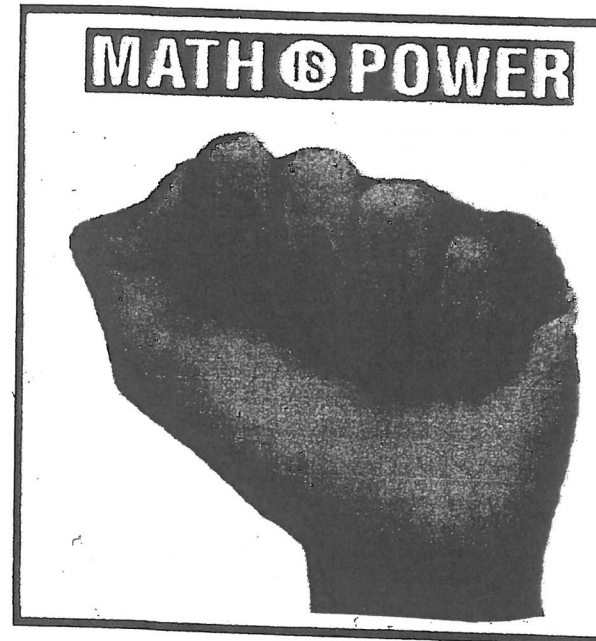
Helpful Websites:
www.khanacademy.org
www.aplusmath.com
www.funbrain.com
www.mathtv.com
www.ixl.com
http://www.virtualnerd.com/common-core/all
www.hoodamath.com (Games)

Summer Packet – 5th into 6th grade   Name _____

Addition
Find the sum of the two numbers in each problem.
Show all work.

Example:

```
  1  1
  4 4 8
+ 1 8 8
-------
  6 3 6
```

1.   652
   + 345

2.   203
   + 525

3.   726
   + 268

Decimal Addition:
Remember to line up the decimals before adding. Bring the decimal straight down in your answer.

4. 7.75
  + 1.46

5. 51.4 + 2.86

6. .1274 + 8.25

Subtraction
Find the difference between the two numbers in
each problem. Show all work.

Example:

```
    3 13
  7 4̸ 3̸
  2 1 8
- -------
  5 2 5
```

7.   407
        - 198

8.   7,007
      - 2,426

9.   3,414
      - 1,218

Decimal Subtraction:
Remember to line up the decimals before subtracting. Bring the decimal straight down in your answer.

10.   338.38
       - 149.27

11.   80.401 – 44.23

12.   75.89 – 9.4

Multiplication
Find the product of the two numbers in each problem. Show all work.

Example:

$$\begin{array}{r} 54 \\ \times 16 \\ \hline 324 \\ +540 \\ \hline 864 \end{array}$$

13.
$$\begin{array}{r} 65 \\ \times\ \ 4 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 42 \\ \times\ \ 8 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 84 \\ \times\ 39 \\ \hline \end{array}$$

Decimal Multiplication:
Multiply as you would with whole numbers. Count the decimal places in each factor. The product (answer) has the same number of decimal places.

16.
$$\begin{array}{r} .13 \\ \times\ \ 70 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 5.1 \\ \times\ \ 2 \\ \hline \end{array}$$

18.
$$\begin{array}{r} .108 \\ \times\ 2.5 \\ \hline \end{array}$$

Division
Find the quotient in each problem. If there is a remainder, state the remainders as R=___. Show all work. Feel free to use a separate sheet of paper.

19.

$7{\overline{\smash{)}591}}$

20.

$12{\overline{\smash{)}264}}$

21.

$43{\overline{\smash{)}2815}}$

Decimal Division:
If the divisor (outside number) is a decimal, you must move the decimal point (using multiplication) to the right until it becomes a whole number. Then, move the decimal in the dividend (inside number) the same number of times. Divide to find your answer (quotient). Then, move the decimal straight up from the dividend to the quotient.
Remember, no remainders.

$$\frac{quotient}{divisor)\overline{dividend}}$$

22.

$$3)\overline{31.8}$$

23.

$$.5)\overline{7.45}$$

24.

$$.12)\overline{12.24}$$

Rounding
Underline the given place value. Look to the right. If this digit is 5 or greater, increase the underlined digit by 1. If the digit to the right is less than 5, keep the underlined digit the same.

Round to the nearest...

hundredth

0.547   0.55

Round to the nearest....

25. tenth
     0.3479

26. hundredth
    0.7553

27. whole number
    3.268

28. ten
    162.21

29. thousandth
    0.0036

30. hundred
    990.54

Compare using <, >, or =
1.2 ◯ 1.20   1.2 = 1.20

Compare the decimals.

31. 0.205 ◯ 0.21

32. 1.03 ◯ 0.03

33. 0.04 ◯ 0.050

34. 0.1 ◯ 0.1000

35. 0.52 ◯ 0.500

36. 0.41 ◯ 0.405

Greatest Common Factor
The greatest factor that two or more numbers have in common (GCF).
1. List all the factors of **four** in order
2. List all the factors of **twenty** in order
3. List the common factors
4. Write the greatest common factor

Finding Common Factors:
4: 1, 2, 4
20: 1, 2, 4, 5, 10, 20
Common Factors: 1, 2, 4   GCF= 4

List all the factors for each number. Circle the common factors.

37. 18 : _____

30 : _____

Common Factors: _____   Greatest Common Factor: _____

38. 60 : _____

45 : _____

Common Factors: _____   Greatest Common Factor: _____

39. 23: _____

29: _____

Common Factors: _____   Greatest Common Factor: _____

40. 56: _____

72: _____

Common Factors: _____   Greatest Common Factor: _____

Least Common Multiple
The smallest nonzero multiple that two or more numbers have in common.

1. List the first 6 multiples of 4
2. List the first 6 multiples of 6
3. List the common multiples
4. Write the least common multiple.

Finding Common Multiples:
   4: 4, 8, 12, 16, 20, 24
   6: 6, 12, 18, 24, 30, 36
Least Common Multiple= 12

41. 8 : _____

12 : _____

Common Multiples: _____Least Common Multiple: _____

42. 7 : _____

11 : _____

Common Multiples: _____Least Common Multiple: _____

43. 25 : _____

10 : _____

Common Multiples: _____Least Common Multiple: _____

44. 24 : _____

36: _____

Common Multiples: _____Least Common Multiple: _____

Comparing Fractions

Compare each pair of numbers. Write the correct comparison symbol (<, >, =) in each circle. Make sure you have common denominators before comparing numerators.

Example:

$\frac{1}{3}$ ◯ $\frac{3}{4}$

↓ ↓

$\frac{4}{12}$ $\frac{9}{12}$

45

$\frac{3}{8}$ ◯ $\frac{5}{8}$

46

$\frac{3}{4}$ ◯ $\frac{3}{8}$

47.

$\frac{1}{2}$ ◯ $\frac{4}{8}$

48.

$\frac{3}{7}$ ◯ $\frac{1}{4}$

49.

$\frac{3}{5}$ ◯ $\frac{5}{6}$

50.

$\frac{7}{8}$ ◯ $\frac{3}{4}$

Ordering Fractions

Order the following fractions from least to greatest.

51.

$\frac{3}{8}$ $\frac{5}{8}$ $\frac{4}{8}$ $\frac{2}{8}$ $\frac{7}{8}$

52.

$\frac{1}{5}$ $\frac{4}{5}$ $\frac{1}{10}$ $\frac{6}{10}$ $\frac{7}{10}$

53.

$\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{3}$ $\frac{1}{5}$

54.

$\frac{1}{2}$ $\frac{5}{16}$ $\frac{30}{64}$ $\frac{3}{8}$ $\frac{9}{32}$

Example: $\dfrac{10 \div 5 =}{25 \div 5 =} \dfrac{2}{5}$

55.

$$\frac{14}{28}$$

56.

$$\frac{15}{55}$$

57.

$$\frac{12}{51}$$

58.

$$\frac{34}{48}$$

59.

$$\frac{17}{4}$$

60.

$$\frac{80}{25}$$

Example:

$$\frac{1}{3} + \frac{1}{5} =$$

$$\downarrow \quad \downarrow$$

$$\frac{5}{15} + \frac{3}{15} = \frac{8}{15}$$

61.

$$\frac{6}{10} + \frac{3}{10} =$$

62.

$$2\frac{3}{8} + 1\frac{2}{8} =$$

63.

$$\frac{1}{9} + \frac{5}{6} =$$

64.

$$\frac{1}{12} + 1\frac{2}{3} =$$

Subtracting Fractions

Subtract the following fractions. Make sure you have common denominators before subtracting. Remember, you only subtract the numerator (top number) and you keep the denominator (bottom number) the same! Simplify your final answers.

Example:

$$\frac{5}{6} - \frac{1}{3} =$$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$$

65.

$$\frac{5}{6} - \frac{3}{6} =$$

66.

$$2\frac{8}{12} - 1\frac{3}{12} =$$

67.

$$\frac{7}{10} - \frac{2}{4} =$$

68.

$$3\frac{4}{5} - \frac{1}{4} =$$

Multiplying Fractions

Multiply the following fractions. Multiply the numerators; then multiply the denominators. Simplify, if necessary.

Example:

$$\frac{3}{5} \times \frac{5}{9} = \frac{15}{45} = \frac{1}{3}$$

69.

$$\frac{3}{4} \times \frac{1}{3} =$$

70.

$$\frac{2}{3} \times \frac{5}{8} =$$

71.

$$\frac{1}{3} \times \frac{2}{5} =$$

72.

$$\frac{7}{8} \times 2 =$$