1.39 - Develop a summer program to support and prepare African American secondary students for advanced courses.

Narrative

SRMS has an annual summer Principal's Challenge, which is an opportunity for enrichment in both Language Arts and Math. Historically, this has been geared toward advanced students, but we reworked the plan to be include all students in this summer enrichment activity.

Data

No data is currently available. We will monitor iReady usage data weekly by ethnicity.

Action Plan

We have developed the plan with all students in mind. We will market and communicate it to all 2020-21 students and parents via Canvas, social media, school messenger, and connection with elementary feeder schools. We will monitor iReady weekly usage by ethnicity and recognize students who excel as the summer progresses. We will encourage students to continue their learning throughout the summer months. Paper packets are also available for students and we are encouraging students to continue utilizing district laptops, if needed, to include all students in the Principal's Challenge.

SEBASTIAN RIVER MIDDLE SCHOOL

9400 County Road 512 ◆ Sebastian, Florida 32958
Telephone: 772.564.5111 ◆ Fax: 772.564.5225
www.indianriverschools.org/srms

Todd Racine, Principal

Assistant Principals
Michele Holmes
James Thimmer

May 2020

Dear Parents/Guardians and Students:

The *2020 Sebastian River Middle School's Principal's Reading and Math Challenges* **are now available on the** *SRMS Website*. Our goal was to create Math and Reading activities that will provide your child with the necessary background knowledge in the subjects they will be studying in the next school year.

All SRMS students are *strongly encouraged* to complete the Principal's Reading and Math Challenge. *The Reading and Math Challenges will be due by Friday, August 21st, 2020.* Students completing the challenge will be rewarded for their efforts (past rewards have included bowling, a movie at AMC, pool party, etc.). To earn the Principal's Challenge Reward, students must complete the Reading and Math Challenges, and the i-Ready Reading and Math requirements.

READING CHALLENGE: The list of books provided is a *suggested* list. **If you can find a book at the library or bookstore that falls under the same type of category and is at grade level, that would be acceptable**. We understand that it may be difficult to find books in each child's reading level, but we believe that reading books from this list and completing the assignments will be beneficial for your child before they enter the 2020-21 school year. In addition to completing the Summer Reading Challenge activities, **students must complete at least one i-Ready Reading Lesson per week from June 8th to August 7th**.

MATH CHALLENGE: The activities that are assigned to your child are intended to keep their math skills sharp during summer break. Since our current 6th and 7th grade students will be scheduled to various math classes, your child's math teacher provided your child with the correct math packet at the end of the year. In addition to completing the Math Challenge packet, **students must complete at least one i-Ready Math Lesson per week from June 8th to August 7th.**

Although I enjoy relaxing with my family during the summer ☺, I check my email often. Please feel free to contact me if you have any questions or concerns. My email is bradley.wright@indianriverschools.org. We truly appreciate your help and support with the Principal's Challenge! I hope you have a great summer vacation and enjoy your time off!

Sincerely,
Brad Wright
SRMS IB Coordinator & 7th Grade Civics Teacher

School District of Indian River County

** In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward. **

Math Packet for
ALL incoming 6th graders

Multiplication Table Activity

The table below is a standard multiplication table from 1-12.

Fill out all of the boxes in the table. You may use this table as a reference to assist you with the multiplication mix-ups on the next 2 pages.

x	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

MULTIPLICATION MIX-UP

The table shown below is a "scrambled" multiplication table. The columns and the rows have been moved around to different positions. Use your knowledge of the multiplication facts and some good reasoning to fill in all the blank squares.

X	8				3			7
	12							
6			30					42
			25					
9				81			18	
	6		5			4		
					30			
	18		15		3			
4								
							32	

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Multiplication Mix-Up #2

x		9			1				6
	21								
3				21					18
				56					
4					4			8	
		81		63			36		
	6					16			
			30		6				
5	15								
			5				4		

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Name _____ Date _____

Divisibility Rules

Sometimes we need to know if a number is **divisible** by another number. In other words, does a number divide evenly into another number. You can use divisibility rules.

A number is divisible by:
- 2 if the ones digit is divisible by 2.
- 3 if the sum of the digits is divisible by 3.
- 5 if the ones digit is 0 or 5.
- 6 if the number is divisible by 2 and 3.
- 9 if the sum of the digits is divisible by 9.
- 10 if the ones digit is zero.

EXAMPLE *Determine whether 2,346 is divisible by 2, 3, 5, 6, 9, or 10.*

2: The ones digit is 6 which is divisible by 2.
So 2,346 is divisible by 2.
3: The sum of the digits (2 + 3 + 4 + 6 = 15) is divisible by 3.
So 2,346 is divisible by 3.
5: The ones digit is *not* 0 or 5.
So 2,346 is *not* divisible by 5.
6: The number is divisible by 2 and 3.
So 2,346 is divisible by 6.
9: The sum of the digits (2 + 3 + 4 + 6 = 15) is *not* divisible by 9.
So 2,346 is *not* divisible by 9.
10: The ones digit is not 0.
So 2,346 is *not* divisible by 10.

2,346 is divisible by 2, 3, and 6.

EXERCISES *Use the divisibility rules to determine whether the first number is divisible by the second number.*

1. 3,465,870; 5

2. 5,653,121; 3

3. 34,456,433; 9

4. 6,432; 10

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

5. 42,981; 2   6. 73,125; 3

7. 3,469; 6   8. 3,522; 6

Determine whether each number is divisible by 2, 3, 5, 6, 9, or 10.

9. 660   10. 5,025

11. 5,091   12. 356

13. 240   14. 657

15. 8,760   16. 3,408

17. 4,605   18. 7,800

19. 8,640   20. 432

21. 1,700,380   22. 4,937,728

APPLICATIONS

23. Ms. Vescelius wants to divide her class into cooperative learn-
     ing groups. If there are 28 students in the class and she wants
     all the groups to have the same number of students, how
     many students should she put in each group?

24. The Kennedy High School band has 117 members. The band
     director is planning rectangular formations for the band.
     What formations could he make with all the band members?

25. Fisher Mountain Bike Company wants to produce between
     1,009 and 1,030 mountain bicycles per month. Since the
     demand for the bicycles is great everywhere, they want to ship
     equal numbers to each of their 6 stores. Find the possible
     number of bicycles Fisher should ship.

26. Name the greatest 4-digit number that is divisible by 2, 3, and 5.

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math
Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Adding and Subtracting Whole Numbers

The island of Hispaniola is divided into two countries, the Dominican Republic and Haiti. The Dominican Republic covers 48,380 square kilometers and Haiti covers 27,750 square kilometers.

EXAMPLES *What is the total area of the island of Hispaniola?*

$$
\begin{array}{r}
^{11\ 1} \\
48,380 \\
+\ 27,750 \\
\hline
76,130
\end{array}
$$

The total area of the island is 76,130 square kilometers.

How much more area does the Dominican Republic cover than Haiti?

$$
\begin{array}{r}
^{7} \\
48,{}^{1}380 \\
-\ 27,750 \\
\hline
20,630
\end{array}
$$

The Dominican Republic covers 20,630 more square kilometers than Haiti.

EXERCISES *Add or subtract.*

1.
$$
\begin{array}{r}
785 \\
+\ 361 \\
\hline
\end{array}
$$

2.
$$
\begin{array}{r}
645 \\
-\ 389 \\
\hline
\end{array}
$$

3.
$$
\begin{array}{r}
379 \\
+\ 562 \\
\hline
\end{array}
$$

4.
$$
\begin{array}{r}
6,725 \\
-\ 3,089 \\
\hline
\end{array}
$$

5.
$$
\begin{array}{r}
7,740 \\
+\ 3,659 \\
\hline
\end{array}
$$

6.
$$
\begin{array}{r}
12,450 \\
-\ 5,237 \\
\hline
\end{array}
$$

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

7. 56,342
+ 8,945

8. 24,893
− 7,934

9. 5,678
+ 37,655

10. 70,843
− 36,900

11. 953,560
− 257,425

12. 73,000
− 13,896

13. 356
275
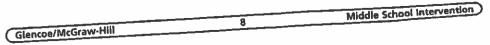+ 159

14. 14,893
7,568
+ 56,934

15. 3,855
2,543
+ 980

APPLICATIONS *The sizes of the world's largest islands are given at the right. Use this information to answer Exercises 16–19.*

Island	Area in Square Miles
Greenland	840,000
New Guinea	306,000
Borneo	280,100
Madagascar	226,658
Baffin	195,928
Sumatra	165,000

16. How much more area does Baffin cover than Sumatra?

17. How much more area does Borneo cover than Madagascar?

18. New Guinea and Borneo are in the South Pacific Ocean. What is the total area of these two islands?

19. What is the total area of the three largest islands?

20. The Nile is the longest river in the world. It is 6,673 kilometers long. The next longest river is the Amazon which is 6,440 kilometers long. How much longer is the Nile than the Amazon?

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Name _____ Date _____

Multiplying and Dividing Whole Numbers

A tennis court is 78 feet long.

EXAMPLE *How long is a tennis court in inches?*

To find the length in inches, multiply 78 by 12.

$$\begin{array}{r} 78 \\ \times\ 12 \\ \hline 156 \\ 78\ \ \\ \hline 936 \end{array}$$

A tennis court is 936 inches long.

EXAMPLE *How long is a tennis court in yards?*

To find the length in yards, divide 78 by 3.

$$\begin{array}{r} 26 \\ 3\overline{)78} \\ 6\ \ \\ \hline 18 \\ 18 \\ \hline 0 \end{array}$$

A tennis court is 26 yards long.

EXERCISES *Multiply.*

1. $\begin{array}{r} 28 \\ \times\ 16 \\ \hline \end{array}$
2. $\begin{array}{r} 181 \\ \times\ 15 \\ \hline \end{array}$
3. $\begin{array}{r} 301 \\ \times\ 26 \\ \hline \end{array}$

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

4. 261
  × 77

5. 450
  ×135

6. 713
  ×230

7. 709
  ×235

8. 1,467
  ×592

9. 5,316
  × 1,633

Divide.

10. 7)112

11. 8)592

12. 5)2,010

13. 12)528

14. 28)392

15. 63)13,986

16. 82)18,942

17. 57)14,364

18. 231)94,710

APPLICATIONS

Use the price list for pizzas to answer Exercises 19–21.

19. What is the cost of 3 medium pizzas?

Paul's Pizza	
Small	$11
Medium	$13
Large	$15

20. The refreshment committee for the class party ordered 27 large pizzas. What is the cost of the pizzas?

21. Which would cost more, 27 large pizzas or 32 medium pizzas?

22. The trip from Albuquerque, New Mexico to Charlotte, North Carolina is 1,624 miles. Hauling a 2,400-pound load, truck driver Jim Cronin wants to make the trip in 4 days. How many miles a day should he travel?

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.
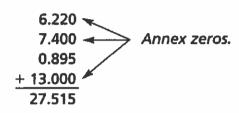
Name _____ _ **Date** _____

Adding Decimals

To add decimals, line up the decimal points. Then add the same way you add whole numbers.

EXAMPLE *Add 6.22 + 7.4 + 0.895 + 13.*

$$
\begin{array}{r}
6.220 \\
7.400 \\
0.895 \\
+\ 13.000 \\
\hline
27.515
\end{array}
$$

Annex zeros.

The sum of the numbers is 27.515.

EXERCISES *Add.*

1. $\begin{array}{r}8.67\\+\ 1.58\\\hline\end{array}$	2. $\begin{array}{r}13.5\\+\ 26.7\\\hline\end{array}$	3. $\begin{array}{r}8.476\\+\ 5.72\\\hline\end{array}$
4. $\begin{array}{r}709.8\\+\ 296.75\\\hline\end{array}$	5. $\begin{array}{r}6.793\\+\ 15.6\\\hline\end{array}$	6. $\begin{array}{r}0.058\\+\ 0.48\\\hline\end{array}$
7. $\begin{array}{r}6.89\\7.2\\+\ 8.67\\\hline\end{array}$	8. $\begin{array}{r}12.8\\8.45\\+\ 34.9\\\hline\end{array}$	9. $\begin{array}{r}0.78\\3.7\\+\ 1.666\\\hline\end{array}$
10. $\begin{array}{r}102.8\\98.35\\+\ 115.4\\\hline\end{array}$	11. $\begin{array}{r}0.7\\11.2\\+\ 8.75\\\hline\end{array}$	12. $\begin{array}{r}77.85\\16.1\\+\ 22.48\\\hline\end{array}$

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

13. 4.56 + 22.7

14. 3.75 + 8.9

15. 0.97 + 1.9

16. 155.3 + 46.79

17. 35.98 + 4.7 + 37.23

18. 5.68 + 0.9887 + 1.354

19. 56.8 + 4.36 + 1.98 + 2.6

20. 78.91 + 3.476 + 5.65 + 24.8

APPLICATIONS

21. A cyclist with a mass of 58.2 kilograms steps onto a balance scale wearing clothing and a helmet that have a mass of 1.32 kilograms. What is the total mass?

22. A gift box of fruit has 1.4 kilograms of pears, 1.235 kilograms of apples, and 1 kilogram of oranges. What is the total mass of the fruit?

23. Tomo wants to put a decorative border around a triangular flower garden. The lengths of the sides of the garden are 4.36 meters, 3.5 meters, and 5.75 meters. What is the perimeter of the flower garden?

24. A ticket to a movie theater costs $5.25. A large lemonade costs $3, and a small popcorn costs $1.50. What is the total cost of going to the movie and buying a large lemonade and a small popcorn?

25. Rita has a part-time job. On Monday, she worked 3.5 hours. On Tuesday, she worked 4 hours. She did not work Wednesday or Thursday, but she worked 2 hours on Friday and 6.5 hours on Saturday. If she did not work on Sunday, how many hours did she work that week?

26. A barometer rose 3.2 inches in one hour and another 2 inches the next hour. What was the total rise in the barometer?

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

SKILL 10

Subtracting Decimals

$\top$o subtract decimals, line up the decimal points. Then subtract the same way you subtract whole numbers.

EXAMPLE   *Subtract 32.5 − 3.465.*

$$\begin{array}{r} 32.500 \\ -\ 3.465 \\ \hline 29.035 \end{array}$$ *Annex zeros.*

The difference of the numbers is 29.035.

EXERCISES   *Subtract.*

1. $\begin{array}{r} 3.9 \\ -\ 1.5 \\ \hline \end{array}$

2. $\begin{array}{r} 72.1 \\ -\ 56.7 \\ \hline \end{array}$

3. $\begin{array}{r} 3.921 \\ -\ 2.345 \\ \hline \end{array}$

4. $\begin{array}{r} 6.789 \\ -\ 3.56 \\ \hline \end{array}$

5. $\begin{array}{r} 75.2 \\ -\ 14.85 \\ \hline \end{array}$

6. $\begin{array}{r} 6.921 \\ -\ 1.156 \\ \hline \end{array}$

7. $\begin{array}{r} 10.34 \\ -\ 4.8 \\ \hline \end{array}$

8. $\begin{array}{r} 0.897 \\ -\ 0.6685 \\ \hline \end{array}$

9. $\begin{array}{r} 9.03 \\ -\ 2.8 \\ \hline \end{array}$

10. $\begin{array}{r} 40 \\ -\ 13.65 \\ \hline \end{array}$

11. $\begin{array}{r} 5.72 \\ -\ 3.9 \\ \hline \end{array}$

12. $\begin{array}{r} 82.965 \\ -\ 6.39 \\ \hline \end{array}$

13. $\begin{array}{r} 25.1 \\ -\ 3.657 \\ \hline \end{array}$

14. $\begin{array}{r} 9.871 \\ -\ 3.9 \\ \hline \end{array}$

15. $\begin{array}{r} 7.19 \\ -\ 0.653 \\ \hline \end{array}$

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

16. $6.9 - 2.654$

17. $18.564 - 5.8$

18. $0.978 - 0.5$

19. $4 - 0.875$

20. $75.92 - 8.921$

21. $72.5 - 61.65$

22. $1.872 - 0.98$

23. $508 - 8.32$

APPLICATIONS

24. One week, the price of gasoline was $1.245 per gallon. The next week, the price of gasoline was $1.269. What was the increase for each gallon of gasoline?

25. One year, the cost of one kilowatt-hour of electricity was $0.094. Two years later, the cost of one kilowatt-hour of electricity was $0.112. What was the increase of each kilowatt-hour of electricity?

26. Herman has a part-time job. Last week, he worked 16 hours. This week, he worked 13.5 hours. How many more hours did he work last week than this week?

27. In 1984, Carl Lewis of the United States won the Olympic gold medal for the 100-meter dash. He ran it in 9.99 seconds. In the 1988 Olympics, he ran the 100-meter dash in 0.07 second less than his Olympic time in 1984. What was his time for the 100-meter dash in the 1988 Olympics?

28. Eduardo has $45. If he buys a CD for $13.98, how much will Eduardo have left?

29. Rita is a gymnast. In one meet, she received 32.45 points. The next meet, she received 1.6 less points. How many points did she receive in the second meet?

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Name _____

Greatest Common Factor

44

⭐ Factors are numbers that when multiplied by another number, result in a product.

For example, 6 and 4 are factors of 24, since 6 x 4 = 24. 12 and 2 are also factors of 24, since 12 x 2 = 24. 24, 1, 8, and 3 are also factors of 24. You can say the factors of 24 are 24, 12, 8, 6, 4, 3, 2, and 1.

The greatest common factor (GCF) is the largest factor that is shared by two numbers.

48 – 1, 2, 3, 4, 6, 8, 12, 24, 48   64 – 1, 2, 4, 8, 16, 32, 64

You see that 8 is the largest factor that both 48 and 64 have in common.

8 x 6 = 48   8 x 8 = 64

Show the factors of each number.

1) 40 _____

2) 18 _____

3) 28 _____

4) 56 _____

Find the greatest common factor. Show the factors of each number.

5) 24 and 30 _____

6) 36 and 54 _____

7) 16 and 56 _____

8) 40 and 60 _____

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Least Common Multiple

45

⭐ A multiple is the product of two numbers.

3   3, 6, 9, 12, 15
5   5, 10, 15

The smallest common multiple of two or more numbers is known as the least common multiple (LCM).

Find the least common multiple of these numbers.

① 8, 12 _____   7, 14 _____

② 15, 40 _____   14, 44 _____

③ 3, 5, 12 _____   4, 8, 16 _____

④ 3, 6, 9 _____   2, 6, 24 _____

⑤ 2, 8, 10 _____   12, 36, 72 _____

⑥ The least common multiple for a number and 6 is 24. What is the number? _____

⑦ Each package of hamburgers has 8 hamburgers and each package of buns has 6 buns. What is the least number of packages of hamburgers and buns you would buy to have an equal number of hamburgers and buns? _____

⑧ The Greek mathematician Eratosthenes invented a method of finding all the prime numbers between 1 and 100. Follow the instructions shown below.

- List the numbers from 1 to 100 on a separate piece of paper.
- Cross out 1.
- Cross out all the multiples of 2 that are greater than 2.
- Cross out all the multiples of 3 that are greater than 3.
- Cross out all the multiples of 5 that are greater than 5.
- Cross out all the multiples of 7 that are greater than 7.

The remaining numbers are all prime.

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Name _____ Date _____

Simplifying Fractions

There are 30 students in the school chorale, and 12 of these students can stay after school today to help prepare the stage for the concert.

EXAMPLE *What fraction of the students in chorale can stay after school today? Write the fraction in simplest form.*

From the information, $\frac{12}{30}$ of the students can stay after school.

To simplify this fraction, find the greatest common factor of 12 and 30. The GCF is 6. Then divide the numerator and denominator by 6.

$$\frac{12 \div 6}{30 \div 6} = \frac{2}{5}$$

Therefore, $\frac{2}{5}$ of the students can stay after school.

EXERCISES *Write each fraction in simplest form.*

1. $\frac{14}{20}$ 2. $\frac{15}{35}$ 3. $\frac{16}{20}$

4. $\frac{10}{40}$ 5. $\frac{16}{36}$ 6. $\frac{45}{48}$

7. $\frac{22}{55}$ 8. $\frac{49}{56}$ 9. $\frac{13}{26}$

10. $\frac{16}{32}$ 11. $\frac{14}{49}$ 12. $\frac{60}{80}$

13. $\frac{15}{25}$ 14. $\frac{16}{18}$ 15. $\frac{24}{36}$

16. $\frac{8}{32}$ 17. $\frac{18}{81}$ 18. $\frac{8}{56}$

19. $\frac{75}{100}$ 20. $\frac{15}{25}$ 21. $\frac{4}{44}$

22. $\frac{10}{65}$ 23. $\frac{28}{63}$ 24. $\frac{42}{52}$

25. $\frac{25}{150}$ 26. $\frac{81}{90}$ 27. $\frac{35}{105}$

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Name _____ Date _____

Adding Fractions

To add fractions with like denominators, add the numerators. Write the sum over the common denominator. Simplify the sum if possible.

EXAMPLE *Find the sum of $\frac{7}{8}$ and $\frac{5}{8}$.*

$$\frac{7}{8}$$
$$+\frac{5}{8}$$
$$\overline{\frac{12}{8}} = \frac{3}{2} \text{ or } 1\frac{1}{2} \qquad \textit{Simplify the sum.}$$

The sum of $\frac{7}{8}$ and $\frac{5}{8}$ is $1\frac{1}{2}$.

To add fractions with unlike denominators, rename the fractions with a common denominator. Then add the fractions.

EXAMPLE *Find the sum of $\frac{1}{9}$ and $\frac{5}{6}$.*

$$\frac{1}{9} = \frac{2}{18} \qquad \textit{Use 18 for the common denominator.}$$
$$+\frac{5}{6} = \frac{15}{18}$$
$$\overline{\qquad\quad \frac{17}{18}}$$

The sum of $\frac{1}{9}$ and $\frac{5}{6}$ is $\frac{17}{18}$.

EXERCISES *Add.*

1. $\frac{4}{7}$
   $+\frac{2}{7}$

2. $\frac{5}{9}$
   $+\frac{4}{9}$

3. $\frac{11}{15}$
   $+\frac{2}{15}$

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

4. $\dfrac{11}{15}$
    $+ \dfrac{7}{15}$

5. $\dfrac{6}{7}$
    $+ \dfrac{6}{7}$

6. $\dfrac{11}{12}$
    $+ \dfrac{5}{12}$

7. $\dfrac{1}{8}$
    $+ \dfrac{1}{9}$

8. $\dfrac{1}{3}$
    $+ \dfrac{1}{6}$

9. $\dfrac{3}{5}$
    $+ \dfrac{2}{7}$

10. $\dfrac{7}{16} + \dfrac{3}{8}$

11. $\dfrac{7}{10} + \dfrac{2}{5}$

12. $\dfrac{3}{14} + \dfrac{1}{7}$

13. $\dfrac{5}{12} + \dfrac{1}{3}$

14. $\dfrac{1}{6} + \dfrac{1}{8}$

15. $\dfrac{1}{6} + \dfrac{4}{9}$

16. $\dfrac{3}{8} + \dfrac{5}{8} + \dfrac{1}{8}$

17. $\dfrac{1}{2} + \dfrac{1}{3} + \dfrac{1}{4}$

18. $\dfrac{2}{3} + \dfrac{3}{4} + \dfrac{1}{6}$

APPLICATIONS

19. After running $\dfrac{7}{8}$ mile in a horse race, a horse ran an additional $\dfrac{3}{8}$ mile to cool down. How far did the horse run altogether?

20. In 1991, about $\dfrac{1}{5}$ of the crude oil produced was from North America, and about $\dfrac{2}{7}$ of the crude oil produced was from the Middle East. What fraction of the crude oil produced was from North America or the Middle East?

21. In 1991, about $\dfrac{3}{10}$ of the petroleum consumed was in North America, and about $\dfrac{1}{5}$ of the petroleum consumed was in Western Europe. What fraction of the petroleum consumed was in North America or Western Europe?

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

SKILL 27

Subtracting Fractions

To subtract fractions with like denominators, subtract the numerators. Write the difference over the common denominator. Simplify the difference if possible.

EXAMPLE *Subtract $\frac{5}{12}$ from $\frac{7}{12}$.*

$$\frac{7}{12}$$
$$-\frac{5}{12}$$
$$\frac{2}{12} = \frac{1}{6} \qquad \textit{Simplify the difference.}$$

The difference is $\frac{1}{6}$.

To subtract fractions with unlike denominators, rename the fractions with a common denominator. Then subtract the fractions.

EXAMPLE *Subtract $\frac{5}{8}$ from $\frac{5}{6}$.*

$$\frac{5}{6} = \frac{20}{24} \qquad \textit{Use 24 for the common denominator.}$$
$$-\frac{5}{8} = \frac{15}{24}$$
$$\frac{5}{24}$$

The difference is $\frac{5}{24}$.

EXERCISES *Subtract.*

1. $\frac{3}{4}$
   $-\frac{1}{4}$

2. $\frac{5}{7}$
   $-\frac{3}{7}$

3. $\frac{11}{12}$
   $-\frac{3}{12}$

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4. $\dfrac{7}{16}$
   $-\dfrac{3}{16}$

5. $\dfrac{9}{10}$
   $-\dfrac{3}{10}$

6. $\dfrac{11}{12}$
   $-\dfrac{5}{12}$

7. $\dfrac{11}{12}$
   $-\dfrac{1}{3}$

8. $\dfrac{8}{15}$
   $-\dfrac{2}{5}$

9. $\dfrac{4}{5}$
   $-\dfrac{1}{10}$

10. $\dfrac{17}{18} - \dfrac{2}{9}$

11. $\dfrac{7}{8} - \dfrac{1}{3}$

12. $\dfrac{3}{4} - \dfrac{2}{5}$

13. $\dfrac{2}{5} - \dfrac{1}{6}$

14. $\dfrac{11}{12} - \dfrac{2}{3}$

15. $\dfrac{5}{6} - \dfrac{5}{8}$

16. $\dfrac{7}{12} - \dfrac{3}{10}$

17. $\dfrac{7}{9} - \dfrac{1}{6}$

18. $\dfrac{4}{7} - \dfrac{1}{2}$

19. $\dfrac{3}{4} - \dfrac{2}{5}$

20. $\dfrac{7}{8} - \dfrac{1}{3}$

21. $\dfrac{2}{3} - \dfrac{3}{5}$

APPLICATIONS

22. A large orange weighs $\dfrac{11}{16}$ pound. A small orange weighs $\dfrac{5}{16}$ pound. How much more does the large orange weigh?

23. In 1991, North America produced $\dfrac{1}{4}$ of the world's coal. The only area that produced more coal was the Far East, which produced $\dfrac{3}{8}$ of the coal. How much more of the world's coal was produced by the Far East than North America?

24. In 1991, North America consumed about $\dfrac{1}{5}$ of the coal produced and Western Europe consumed about $\dfrac{1}{7}$ of the coal produced. How much more coal was consumed by North America than Western Europe?

25. A page of a book has a $\dfrac{1}{2}$-inch margin on the top and a $\dfrac{3}{4}$-inch margin on the bottom. How much deeper is the bottom margin than the top margin?

In addition to completing this Math packet, students will need to complete at least ONE i-Ready Math Lesson per week from June 8th to August 7th to be eligible for the Principal's Challenge Reward.

Sebastian River Middle School
2020 Principal's Reading Challenge – 7th Grade

2020 SRMS Reading Summer Requirements

- ✓ Complete **at least one** i-Ready Reading Lesson per week from June 8th to August 7th.
- ✓ Read a **TOTAL** of **TWO** books from the SUMMER READING list.
- ✓ Choose and complete one activity from the list below for Book One.
- ✓ Choose and complete a different activity from the list below for Book Two.

1. **Create a book in a bag.**
   - Choose 10 items that represent people, places, events and other parts of the book, place them in a brown paper bag and decorate it.
   - Create label for your bag that includes the title and the author.
   - Write a key describing each of the items and explain their significance to the story.

2. **Write out an interview between you and a character or historical figure.**
   - Write 10 questions to ask your person. Then, answer each question the way you think they would respond.

3. **Create a sports trading card for a historical figure.**
   - On the front, draw and color a picture of the person.
   - On the back, write the person's statistics: name, birthday, hometown, background info, what they are known for, their contributions to history or society, timeline of events, famous quotes, etc.

4. **Write a report card for a character in your book.**
   - Choose a character or historical figure in your book. Come up with 5 areas of his/her personality to grade them on based on how they behaved in the book.
   - Write their name at the top of the page. Give them a grade in each subject, and give details from the story to support the grade in the "Comments" section. See example below:

Subject:	Grade:	Comments:
Loyalty	C	In the beginning, Prince Bobby told on Jenny to the thieves. Later, he protected Jenny from them. Therefore, Prince was loyal half of the time, so he should get a C.

2020 Suggested Summer Reading List

Section A: American Historical Biographies

Adams, Abigail	Franklin, Ben	Jefferson, Thomas	Madison, James	Ross, Betsy
Adams, John	Greene, Nathaniel	King George III	Paine, Thomas	Sherman, Roger
Adams, Samuel	Hale, Nathan	Lee, Richard Henry	Paterson, William	Locke, John
Arnold, Benedict	Hancock, John	Livingston, William	Pitcher, Molly	Montesquieu, Baron
Dickinson, John	Henry, Patrick	Shays, Daniel	Revere, Paul	Washington, George
Washington, Martha	Hamilton, Alexander	King, Martin Luther	Jay, John	Marshall, John

Section B: Newbery Award Winners & Sunshine State Young Readers Award links

You may choose a book from any year

Newbery Award Winners: http://www.ala.org/alsc/awardsgrants/bookmedia/newberymedal/newberymedal

Sunshine State Young Readers Award: https://www.floridamediaed.org/uploads/6/1/4/2/61420659/6-8_2020-21_ssyra_annotated_list_update.pdf

Section C: Non-Fiction

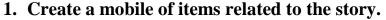| Civics			
Growing Up in Colonial America by Tracy Barrett	Give Me Liberty! The Story of the Declaration of Independence by: Russell Freedman	In Defense of Liberty: The Story of America's Bill of Rights by: Russell Freedman	The Mayflower and the Pilgrims' New World by Nathaniel Philbrick
Becoming Ben Franklin: How a Candle-Maker's Son Helped Light the Flame of Liberty by R. Freedman	The Notorious Benedict Arnold: A True Story of Adventure, Heroism, & Treachery by Steve Sheinkin	Know Your Rights!: A Modern Kid's Guide to the American Constitution By: Laura Barcella	A Kids' Guide to America's Bill of Rights By: Kathleen Krull
Alexander Hamilton: The Outsider by Jean Fritz	How the U.S. Government Works By: Syl Sobel	Paul Revere: And the Minutemen of the American Revolution by Ryan Randolph	George Washington: First President of the United States by Zachary Kent
Additional topics include: The Constitution, Immigration & Citizenship, Federal Government (Legislative Branch, Executive Branch, Judicial Branch), Civil Rights Movement, Political Parties, Voting and Elections, Supreme Court Decisions, and Types of Laws			

Science Topics				
Waves and Wave Interactions	*Evolution*	*Earth's Changing Surface*	*Ecology*	*Genetics*

Sebastian River Middle School
2020 Principal's Reading Challenge – 8th Grade

Summer Reading Directions/Checklist:

✓ Complete **at least one** i-Ready Reading Lesson per week from June 8th to August 7th.
✓ Read a TOTAL of TWO books from the SUMMER READING list.
✓ Choose and complete one activity from the list below for Book One.
✓ Choose and complete a different activity from the list below for Book Two.

1. **Create a mobile of items related to the story.**
   - Select 10 items that represent people, places, events, or other parts of the book and hang them from a hanger using string or yarn.
   - Write a key that explains each item and why you chose it.
2. **Write 3 diary entries that a character would write that include details about the story.**
   - Diary entries should be at least 10 sentences each.
   - Diary entries can be typed or handwritten (neatly).
3. **Create an illustrated timeline showing important events from the books.**
   - Choose at least 10 important events from the story. Write a description of each event and draw and color an illustration for each event.
   - The events must be in the order in which they occurred.
4. **Write a letter to the main character of your book asking questions, making a complaint, and/or giving your opinion about something that happened in the story.**
   - Include all elements of a friendly letter (greeting, body, closing, and signature).
   - Must be at least 3 paragraphs long. Can be typed or handwritten (neatly).

Newbery Award Winners & Sunshine State Young Readers Award links
You may choose a book from any year

Newbery Award Winners: http://www.ala.org/alsc/awardsgrants/bookmedia/newberymedal/newberymedal

Sunshine State Young Readers Award: https://www.floridamediaed.org/uploads/6/1/4/2/61420659/6-8_2020-21_ssyra_annotated_list_update.pdf

Science Topics

Properties & Changes of Matter	*Atomic Structure & Periodic Table*	*Space: Sun, Earth, Moon*
Structure of Solar System	*Stars and Galaxies*	*Space Exploration*

History Non-Fiction

The Story of the Lewis and Clark Expedition by Conrad Stein	*Chasing Lincoln's Killer* by James Swanson
Make Way for Sam Houston by Jean Fritz	*Abraham Lincoln: Sixteenth President of the United States* by Jim Hargrove
Zachary Taylor: Twelfth President of the United States by Zachary Kent	*Jeb Stuart: Confederate Cavalry General* by Lynda Pfleuger
The Boys' War: Confederate and Union Soldiers Talk about the Civil War by J. Murphy	*Rebels against Slavery: American Slave Revolts* by Patricia McKissack
The Long Road to Gettysburg by Jim Murphy	*Frederick Douglass: A Noble Life* by David Adler
Harriet Tubman: Conductor on the Underground Railroad by Ann Petry	*Sojourner Truth: Ain't I a Woman?* By Patricia McKissack
Robert E. Lee: Legendary Commander of the Confederacy by Paul C. Anderson	*Sojourner Truth* by Peter Krass
Harriet Tubman and the Underground Railroad by David Adler	*Robert Fulton: And the Development of the Steamboat* by Morris Pierce
Eli Whitney: The Cotton Gin and American Manufacturing by Regan Huff	*Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom, and Science* by Marc Aronson
Abraham Lincoln and Frederick Douglass: the Story Behind an American Friendship by Russell Freedman	*Harriet Tubman, Secret Agent: How Daring Slaves and Free Blacks Spied for the Union During the Civil War* by Thomas Allen

Historical Fiction

Stowaway by Karen Hesse	*Weetamoo: Heart of the Pocassets* by Patricia Clark Smith	*The Winter People* by Joseph Bruchac	*A Gathering of Days: a New England Girl's Journal* by Joan W. Blos
Anacaona, Golden Flower by Edwidge Danticat	*A Break with Charity* by Ann Rinaldi	*Fever, 1793* by Laurie Halse Anderson	*Standing in the Light: The Captive Diary of Catharine Carey Logan* by Mary Pope Osborne
Quest by Kathleen Benner Duble	*Witch Child* by Celia Rees	*Johnny Tremain* by Esther Forbes	*Letters from a Slave Girl: the Story of Harriet Jacobs* by Mary E. Lyons
Thunder Rolling in the Mountains by Scott O'Dell	*Blood on the River James Town 1607* by Elisa Carbone	*The Fifth of March* by Ann Rinaldi	*The Journal of William Thomas Emerson: A Revolutionary War Patriot* by Barry Denenberg
The Ransom of Mercy Carter by Caroline B. Cooney	*Pocahontas* by Joseph Bruchac	*Give Me Liberty* by L.M. Elliott	*New Found Land: Lewis and Clark's Voyage of Discovery* by Allan Wolf
Sing Down the Moon by Scott O'Dell	*Girl in Blue by Ann Rinaldi*	*Woods Runner* by Gary Paulsen	*The Journal of Jesse Smoke: A Cherokee Boy* by Joseph Bruchac
Black Storm Comin' by Diane Lee Wilson	*The Shakeress* by Kimberly Heuston	*The River Between Us* by Richard Peck	*The Journal of Jasper Jonathan Pierce: A Pilgrim Boy* by Ann Rinaldi
Chains by Laurie Halse Anderson	*In the Shadow of the Alamo* by Sherry Garland	*Jayhawker* by Patricia Beatty	*The Journal of Wong Ming-Chung: A Chinese Miner* by Laurence Yep
Forge by Laurie Halse Anderson	*The Slave Dancer* by Paula Fox	*The Tamarack Tree* by Patricia Clapp	*The Journal of James Edmond Pease: A Civil War Union Soldier* by Jim Murphy
Stealing Freedom by Elisa Carbone	*Which Way Freedom?* by Joyce Hansen	*Assassin* by Anna Myers	*A Light in the Storm: The Civil War Diary of Amelia Martin* by Karen Hesse
The War Within by Carol Matas	*Bull Run* by Paul Fleischmann	*Sarah's Ground* by Ann Rinaldi	*A Picture of Freedom: The Diary of Clotee, a Slave Girl* by Patricia McKissack
Lyddie by Katherine Peterson	*Charley Skedaddle* by Patricia Beatty	*Red Badge of Courage* by Stephen Crane	*Seeds of Hope: The Gold Rush Diary of Susanna Fairchild* by Kristiana Gregory
Annie Between the States by L.M. Elliott	*Soldier's Heart* by Gary Paulsen	*Trouble Don't Last* by Shelley Pearsall	*Across the Wide and Lonesome Prairie: The Oregon Trail Diary of Hattie Campbell* by Kristiana Gregory
The Land by Mildred D. Taylor	*Two Girls of Gettysburg* by Lisa Klein	*The Letter Writer* by Ann Rinaldi	*The Journal of Augustus Pelletier: the Lewis and Clark Expedition* by Kathryn Lasky