CAMBRIDGE CHRISTIAN SCHOOL

2015-2016

Math Summer Assignment

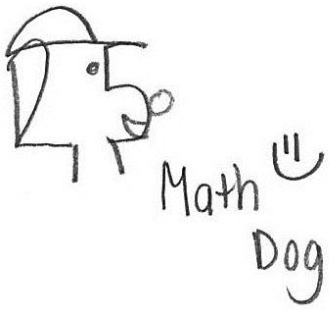
For students entering 5th Grade

Happy summer 5th graders!

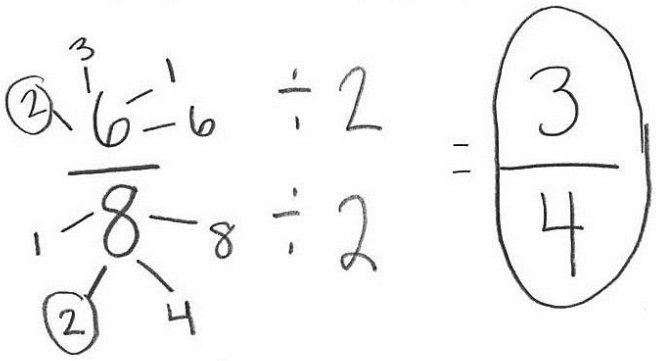
I hope you are all enjoying your summer vacation. I have included summer work papers that I would like for you to complete and turn in to your new math teacher on the first day of school. I encourage you all to have your multiplication facts **memorized**!!! Remember the steps for long division (daddy, mommy, sister, brother, Rex, Cocoa). I know you are all prepared for 5th grade. I am proud of each and every one of you. I will miss you next year, but I know you are in good hands. I'm praying for a successful year next year.

Love,

Mrs. Malouf



Remember how I taught you how to simplify a fraction:



1. List all the factors for the numerator/denominator.
2. Circle the greatest factor they have in common.
3. Divide by that factor to get your answer.

Daddy (divide)

$$2\overline{)68}\quad 3 \qquad 6 \div 2 = 3$$

Mommy (multiply)

$$2\overline{)68}\quad 3 \qquad 3 \times 2 = 6$$

$$6$$

Sister (subtract)

$$2\overline{)68}\quad 3$$

$$-6$$

$$0$$

Brother (bring down)

$$2\overline{)68}\quad 3$$

$$-6\downarrow$$

$$08$$

Rex (remainder)

$$2\overline{)68}\quad 34$$

$$-6$$

$$08$$

$$-8$$

$$\odot$$

Cocoa (check answer)

34 x 2 should = 68!

Multiplication Facts

1

1 x 0 = 0
1 x 1 = 1
1 x 2 = 2
1 x 3 = 3
1 x 4 = 4
1 x 5 = 5
1 x 6 = 6
1 x 7 = 7
1 x 8 = 8
1 x 9 = 9
1 x 10 = 10
1 x 11 = 11
1 x 12 = 12

2

2 x 0 = 0
2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20
2 x 11 = 22
2 x 12 = 24

3

3 x 0 = 0
3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30
3 x 11 = 33
3 x 12 = 36

4

4 x 0 = 0
4 x 1 = 4
4 x 2 = 8
4 x 3 = 12
4 x 4 = 16
4 x 5 = 20
4 x 6 = 24
4 x 7 = 28
4 x 8 = 32
4 x 9 = 36
4 x 10 = 40
4 x 11 = 44
4 x 12 = 48

5

5 x 0 = 0
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
5 x 11 = 55
5 x 12 = 60

6

6 x 0 = 0
6 x 1 = 6
6 x 2 = 12
6 x 3 = 18
6 x 4 = 24
6 x 5 = 30
6 x 6 = 36
6 x 7 = 42
6 x 8 = 48
6 x 9 = 54
6 x 10 = 60
6 x 11 = 66
6 x 12 = 72

7

7 x 0 = 0
7 x 1 = 7
7 x 2 = 14
7 x 3 = 21
7 x 4 = 28
7 x 5 = 35
7 x 6 = 42
7 x 7 = 49
7 x 8 = 56
7 x 9 = 63
7 x 10 = 70
7 x 11 = 77
7 x 12 = 84

8

8 x 0 = 0
8 x 1 = 8
8 x 2 = 16
8 x 3 = 24
8 x 4 = 32
8 x 5 = 40
8 x 6 = 48
8 x 7 = 56
8 x 8 = 64
8 x 9 = 72
8 x 10 = 80
8 x 11 = 88
8 x 12 = 96

9

9 x 0 = 0
9 x 1 = 9
9 x 2 = 18
9 x 3 = 27
9 x 4 = 36
9 x 5 = 45
9 x 6 = 54
9 x 7 = 63
9 x 8 = 72
9 x 9 = 81
9 x 10 = 90
9 x 11 = 99
9 x 12 = 108

10

10 x 0 = 0
10 x 1 = 10
10 x 2 = 20
10 x 3 = 30
10 x 4 = 40
10 x 5 = 50
10 x 6 = 60
10 x 7 = 70
10 x 8 = 80
10 x 9 = 90
10 x 10 = 100
10 x 11 = 110
10 x 12 = 120

11

11 x 0 = 0
11 x 1 = 11
11 x 2 = 22
11 x 3 = 33
11 x 4 = 44
11 x 5 = 55
11 x 6 = 66
11 x 7 = 77
11 x 8 = 88
11 x 9 = 99
11 x 10 = 110
11 x 11 = 121
11 x 12 = 132

12

12 x 0 = 0
12 x 1 = 12
12 x 2 = 24
12 x 3 = 36
12 x 4 = 48
12 x 5 = 60
12 x 6 = 72
12 x 7 = 84
12 x 8 = 96
12 x 9 = 108
12 x 10 = 120
12 x 11 = 132
12 x 12 = 144

2 × 1	3 × 0	1 × 4	0 × 5	2 × 2	1 × 9	3 × 2	7 × 0	5 × 2	3 × 3
0 × 7	8 × 1	4 × 2	2 × 3	5 × 0	6 × 3	2 × 6	0 × 1	1 × 7	3 × 5
6 × 2	4 × 4	2 × 0	7 × 2	5 × 1	2 × 5	4 × 3	6 × 0	8 × 2	9 × 1
1 × 4	1 × 1	9 × 2	0 × 2	7 × 1	2 × 4	5 × 3	6 × 1	0 × 8	3 × 7
0 × 0	7 × 3	3 × 4	4 × 5	1 × 6	1 × 0	2 × 9	3 × 8	4 × 0	5 × 4
4 × 7	2 × 8	9 × 0	1 × 2	8 × 3	5 × 5	0 × 3	3 × 6	4 × 9	8 × 0
6 × 4	3 × 1	7 × 5	0 × 4	5 × 6	4 × 8	8 × 5	7 × 9	6 × 7	0 × 9
2 × 7	5 × 8	6 × 9	3 × 6	7 × 4	9 × 3	0 × 6	4 × 6	5 × 9	1 × 8
7 × 7	3 × 9	6 × 5	7 × 8	9 × 9	6 × 8	8 × 4	9 × 8	1 × 5	8 × 8
9 × 4	8 × 7	1 × 3	9 × 5	6 × 6	9 × 7	7 × 6	5 × 7	9 × 6	8 × 9

The 90 Division Facts

Card No. 4

(9)

$2\overline{)4}$ $1\overline{)3}$ $3\overline{)9}$ $5\overline{)0}$ $7\overline{)7}$ $9\overline{)0}$ $1\overline{)6}$ $2\overline{)14}$ $3\overline{)0}$

(18)

$4\overline{)4}$ $2\overline{)8}$ $1\overline{)5}$ $3\overline{)15}$ $1\overline{)0}$ $2\overline{)12}$ $1\overline{)9}$ $6\overline{)6}$ $7\overline{)0}$

(27)

$8\overline{)16}$ $1\overline{)4}$ $2\overline{)6}$ $4\overline{)0}$ $1\overline{)7}$ $2\overline{)16}$ $4\overline{)12}$ $3\overline{)6}$ $1\overline{)1}$

(36)

$8\overline{)8}$ $1\overline{)2}$ $3\overline{)18}$ $3\overline{)3}$ $5\overline{)15}$ $7\overline{)21}$ $6\overline{)0}$ $9\overline{)18}$ $1\overline{)8}$

(45)

$3\overline{)24}$ $2\overline{)2}$ $8\overline{)0}$ $6\overline{)18}$ $3\overline{)12}$ $2\overline{)0}$ $5\overline{)5}$ $6\overline{)12}$ $9\overline{)9}$

(54)

$4\overline{)16}$ $5\overline{)10}$ $4\overline{)20}$ $7\overline{)14}$ $4\overline{)8}$ $8\overline{)24}$ $3\overline{)21}$ $5\overline{)35}$ $8\overline{)40}$

(63)

$2\overline{)18}$ $4\overline{)24}$ $6\overline{)30}$ $4\overline{)36}$ $5\overline{)40}$ $5\overline{)25}$ $3\overline{)27}$ $6\overline{)54}$ $9\overline{)63}$

(72)

$8\overline{)64}$ $6\overline{)42}$ $5\overline{)30}$ $4\overline{)28}$ $6\overline{)24}$ $9\overline{)27}$ $8\overline{)56}$ $6\overline{)48}$ $4\overline{)36}$

(81)

$9\overline{)81}$ $8\overline{)48}$ $5\overline{)45}$ $4\overline{)32}$ $7\overline{)56}$ $9\overline{)72}$ $7\overline{)42}$ $6\overline{)36}$ $5\overline{)40}$

(90)

$7\overline{)63}$ $8\overline{)32}$ $9\overline{)54}$ $7\overline{)28}$ $5\overline{)20}$ $7\overline{)35}$ $8\overline{)72}$ $7\overline{)49}$ $9\overline{)45}$

Division Facts (A)

Find each quotient.

$48 \div 8 =$	$24 \div 6 =$	$40 \div 5 =$	$8 \div 1 =$
$54 \div 9 =$	$15 \div 5 =$	$14 \div 2 =$	$12 \div 3 =$
$30 \div 5 =$	$28 \div 4 =$	$20 \div 4 =$	$2 \div 1 =$
$50 \div 5 =$	$49 \div 7 =$	$20 \div 5 =$	$36 \div 4 =$
$4 \div 4 =$	$35 \div 7 =$	$36 \div 9 =$	$10 \div 5 =$
$12 \div 4 =$	$10 \div 1 =$	$8 \div 4 =$	$21 \div 7 =$
$42 \div 6 =$	$70 \div 10 =$	$56 \div 7 =$	$6 \div 6 =$
$6 \div 2 =$	$27 \div 9 =$	$9 \div 9 =$	$5 \div 5 =$
$54 \div 6 =$	$81 \div 9 =$	$30 \div 6 =$	$18 \div 6 =$
$63 \div 7 =$	$20 \div 10 =$	$45 \div 5 =$	$6 \div 3 =$
$18 \div 2 =$	$24 \div 8 =$	$1 \div 1 =$	$35 \div 5 =$
$40 \div 10 =$	$25 \div 5 =$	$8 \div 2 =$	$80 \div 8 =$
$16 \div 4 =$	$5 \div 1 =$	$36 \div 6 =$	$50 \div 10 =$
$7 \div 7 =$	$8 \div 8 =$	$24 \div 3 =$	$12 \div 6 =$
$16 \div 8 =$	$21 \div 3 =$	$6 \div 1 =$	$30 \div 3 =$
$3 \div 3 =$	$63 \div 9 =$	$12 \div 2 =$	$90 \div 9 =$
$60 \div 6 =$	$45 \div 9 =$	$32 \div 4 =$	$100 \div 10 =$
$9 \div 3 =$	$56 \div 8 =$	$72 \div 9 =$	$4 \div 1 =$
$7 \div 1 =$	$27 \div 3 =$	$72 \div 8 =$	$28 \div 7 =$
$40 \div 4 =$	$30 \div 10 =$	$24 \div 4 =$	$18 \div 9 =$
$42 \div 7 =$	$64 \div 8 =$	$40 \div 8 =$	$90 \div 10 =$
$15 \div 3 =$	$70 \div 7 =$	$60 \div 10 =$	$3 \div 1 =$
$32 \div 8 =$	$4 \div 2 =$	$14 \div 7 =$	$80 \div 10 =$
$48 \div 6 =$	$10 \div 10 =$	$10 \div 2 =$	$9 \div 1 =$
$18 \div 3 =$	$16 \div 2 =$	$2 \div 2 =$	$20 \div 2 =$

Name _____

LOTSA BASIC MATH PRACTICE

Division Strategy- Discovering the Long Division Algorithm

Directions: Solve the division problems using the algorithm "Long Division." As you complete each step, mark off the letters D, M, S, and B.

Division Problem	Show your Work!	Division Problem	Show your Work!	Division Problem	Show your Work!
D D M M S S B B 3 | 84	2 8 3 | 8 4 - 6 2 4 - 2 4 0	D D M M S S B B 2 | 74	2 | 7 4	D D M M S S B B 5 | 85	5 | 8 5
D D M M S S B B 4 | 72	4 | 7 2	D D M M S S B B 7 | 98	7 | 9 8	D D M M S S B B 6 | 84	6 | 8 4
D D M M S S B B 3 | 57	3 | 5 7	D D M M S S B B 5 | 75	5 | 7 5	D D M M S S B B 8 | 96	8 | 9 6

Name _____

Now Try Some on Your Own

Try these problems on your own. Remember the steps, Dad, Mother, Sister, Brother, Rover. Be sure that you write the numbers in the correct column.

1. $3\overline{)14}$

2. $4\overline{)29}$

3. $8\overline{)65}$

4. $5\overline{)28}$

5. $2\overline{)15}$

6. $4\overline{)23}$

7. $9\overline{)51}$

8. $7\overline{)46}$

9. $3\overline{)29}$

Painless Long Division

Name:_____ Date:_____

Directions: Solve the problems below using long division. Then use your answers to find the answer to the riddle.

$2\overline{)74}$ **T**	$4\overline{)64}$ **U**
$3\overline{)51}$ **O**	$5\overline{)98}$ **Y**
$6\overline{)94}$ **R**	$7\overline{)85}$ **H**

What time is it to go to the dentist?

37 17 17 37 12 R1 12 R1 16 15 R4 37 19 R3

Long Division Quick Check-1

Name:_____

$6\overline{)30}$	$2\overline{)68}$
$8\overline{)48}$	$9\overline{)72}$

Long Division Quick Check-2

Name:_____

$4\overline{)24}$	$7\overline{)49}$
$8\overline{)64}$	$2\overline{)36}$

Long Division Quick Check-3

Name:_____

$4\overline{)332}$	$4\overline{)852}$
$2\overline{)566}$	$2\overline{)214}$

Long Division Quick Check-4

Name:_____

$8\overline{)632}$	$6\overline{)462}$
$7\overline{)511}$	$7\overline{)651}$

Long Division Quick Check-5

Name:_____

$5\overline{)476}$	$6\overline{)460}$
$9\overline{)824}$	$5\overline{)438}$

Long Division Quick Check-6

Name:_____

$5\overline{)258}$	$4\overline{)374}$
$9\overline{)475}$	$7\overline{)682}$

Change improper fractions to mixed numbers.

1

7/5=	11/3=	3/2=	10/9=
11/7=	17/5=	14/3=	13/2=
7/3=	3/2=	13/5=	7/3=
11/3=	9/4=	9/2=	5/3=

Cut here.

3 2/5 u	3 2/3 h	4 1/2 n	2 1/3 s
1 2/3 k!	6 1/2 k	2 3/5 y	1 1/9 t
1 1/2 a	1 1/2 a	1 4/7 d	2 1/4 o
2 1/3 s	1 2/5 T	3 2/3 h	4 2/3 c

Change mixed numbers to improper fractions.

2

$2\ 1/4=$	$1\ 5/8=$	$4\ 3/4=$	$3\ 7/8=$
$5\ 2/7=$	$9\ 1/2=$	$3\ 4/5=$	$2\ 5/6=$
$3\ 2/7=$	$1\ 4/11=$	$6\ 2/3=$	$4\ 1/10=$
$6\ 3/4=$	$2\ 7/10=$	$3\ 4/5=$	$5\ 3/5=$

Cut here.

23/7 f	17/6 s	41/10 d	37/7 d
27/10 u	19/4 t	9/4 P	28/5 s.
20/3 n	19/5 g	13/8 a	27/4 b
19/2 o	31/8 's	15/11 i	19/5 g

abcdomby

Simplify.

3

4/6=	5/15=	6/8=	6/10=
2/8=	10/12=	2/4=	2/14=
10/16=	3/15=	4/18=	6/15=
8/10=	3/6=	9/12=	2/12=

Cut here.

2/5 c	1/4 d	4/5 w	5/6 o
2/3 W	1/2 e	2/9 i	1/3 h
1/5 r	1/2 e	3/4 a	1/7 s
1/6 r?	3/4 a	3/5 t	5/8 E

Change improper fractions to mixed numbers and simplify.

4

8/6=	10/4=	6/4=	18/8=
14/4=	10/8=	12/10=	12/8=
14/8=	14/12=	16/6=	16/10=
15/9=	24/10=	9/6=	16/14=

Cut here.

3 1/2 m	1 2/3 p	1 1/6 o	2 1/2 l
1 1/5 d	1 1/3 A	2 2/5 i	1 1/2 e
1 3/5 r	1 1/2 e	1 3/4 f	1 1/4 a
1 1/2 e	2 2/3 u	1 1/7 s.	2 1/4 x

simplifying fractions

simplify the following fractions by finding the greatest common factor (gcf). use the chart below the fraction to find the gcf. mark out the factors that cannot be divided into both the numerator and the denominator. circle all the factors that can be divided into both. the greatest number is the gcf. use this number to simplify your fraction.

$$\frac{10}{12} \begin{matrix}\div 2 \\ \div 2\end{matrix} = \frac{5}{6}$$

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

$$\frac{8}{12}$$

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

$$\frac{10}{16}$$

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

$$\frac{14}{21}$$

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

$$\frac{4}{8}$$

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

$$\frac{2}{6}$$

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

$$\frac{10}{15}$$

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

$$\frac{12}{18}$$

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

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

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

$$\frac{4}{10}$$

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

CAMBRIDGE CHRISTIAN SCHOOL

Summer Reading List
For Students
entering Fourth And Fifth Grade
2015 – 2016

The summer reading assignment is due on the first day of school.

Dear students and parents,

This summer students are going to read selections from http://textproject.org/classroom-materials/students/summerreads. When you go to the web page you can download and print your assignments. The booklets may be printed in black and white. Complete instructions and more information for parents are on the site.

Students entering Fourth grade should print and complete the level D booklets. Students entering Fifth grade will print our and complete level E booklets. Each ZIP file contains all seven PDF titles in the grade-level series. It is totally free. Please bring all 7 of your completed booklets to school on your first day back to school.

In addition to the booklets above, entering Fourth grade students will read Arby Jenkins, Book 1 (ISBN# 9780890848791, 117 pages, Age range:9-12 years, Lexile: 620L).

Entering Fifth grade students will read Stuart's Run to Faith (ISBN# 9781579242442, 123 pages, Age range: 9-12 years, Lexile: 780L).

Both of the above books are by Sharon Hambrick. Students should print and complete the book assignment on the pages below.

Remember, those who read, succeed!!!

Mrs. Janice Fisher
4/5 Grade Reading

Cambridge Christian School
2015-2015 Summer Reading Assignment
for Students entering Fourth and Fifth grade.

Student Name: _____

Grade: _____

Book Title: _____

Please answer each of the following questions in complete sentences.

1. Who was your favorite character? _____

_____

_____

_____

_____

2. Explain in detail why he or she was your favorite character.

_____

_____

_____

_____

_____

_____

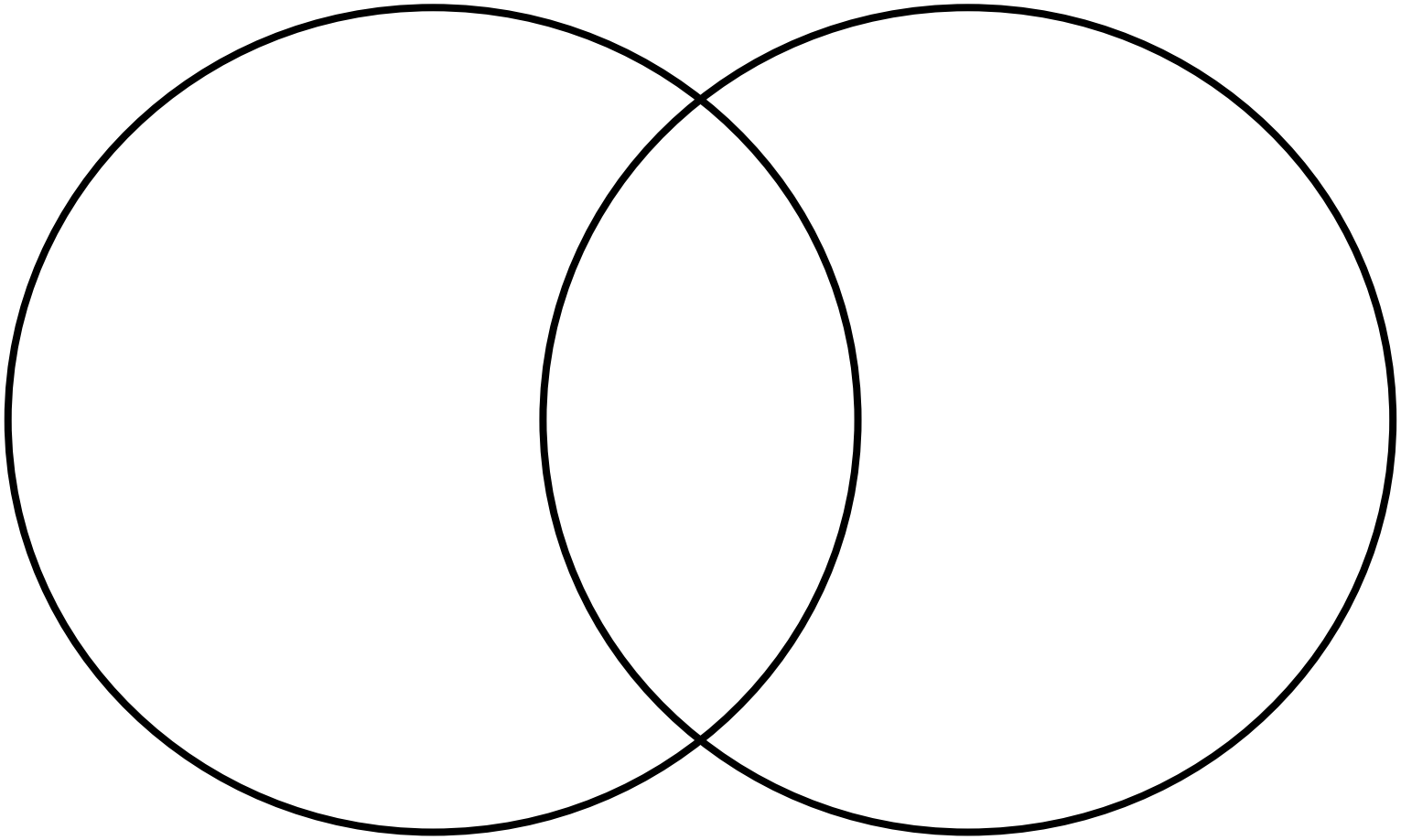
_____

_____

_____

_____

3. Compare and contrast yourself to your favorite character.



4. Describe in detail the setting of your book.

5. What did you learn from reading this book that will help to make you a better person?

6. On a separate sheet of paper (8.5" x 11"), draw, paint, or sketch your favorite part of the story. Be sure to be neat and creative! Label the scene at the bottom center of the paper.

7. On a separate sheet of notebook paper (WIDE RULE ONLY), write a paragraph describing how the picture you created relates to the book you read.

8. Did you find any new vocabulary words? List four of them. Find and give the meaning of each.

9. Staple the artwork, essay, and response sheet together and submit it to your teacher on the first day of school.