Literature Summer Reading 2023

Dear Parents,
Below you will find a list of books for the incoming 6th and 8th grade students to read this summer.

6th Grade: You must read the following three books:

- *My Life in Dog Years* by Gary Paulsen

- *Maniac Magee* by Jerry Spinelli

- *The Wednesday Wars* by Gary Schmidt

8th Grade: You will read three books for summer reading:

- *Anne Frank: Diary of a Young Girl* by Anne Frank

- Choose one of the following science fiction/ fantasy books:

  - *Ender's Game* by Orson Scott Card
  - *The Scorpio Races* by Maggie Stiefvater

- Choose one of the following non-fiction books:

  - *The Port Chicago 50* by Steve Sheinkin
  - *Lincoln's Grave Robbers* by Steve Sheinkin
  - *Killers of the Flower Moon: Adapted for Young Readers: THE OSAGE MURDERS AND THE BIRTH OF THE FBI* By DAVID GRANN

Summer Reading Sixth Grade Projects

All projects are due on the first day of school. All written elements must be typed in Times New Roman 12 pt. font and double-spaced.

Maniac Magee **by Jerry Spinelli**

Answer these questions in complete sentences using proper paragraph form. A paragraph is 5-8 sentences long.

Maniac is always running. In the beginning of the story he runs away from his aunt and uncle. There are three other times he runs away in the story. Discuss these times. Also discuss what you think makes Maniac run. Include examples and events from the book that support your opinion.

 In a separate paragraph describe a difficult experience or event in your own life that made you want to run away. Explain how you dealt with that experience.

My Life in Dog Years **by Gary Paulsen**

Select two of Gary Paulsen's dogs. Fill out a Venn diagram as an organizing tool. Each circle should have a least 5 entries with 3 in the common area. A printable Venn diagram can be found at the end of this document. WHEN WE RETURN TO SCHOOL, we will use these to write a compare/contrast essay.

 The Wednesday Wars **by Gary Schmidt**

Complete the BOOK MOSAIC project on a **half sheet** of poster board. Points will be deducted for students who do the project on a full sheet of poster board. All tiles and illustrations should be colored. **You may not use the same photo or quote more than once on your poster.** A printable example can be found at the end of this document.

8ᴛʜ Grade projects:

Science Fiction: After reading either *Ender's Game* or *The Scorpio Races,* you will do the following project.

Directions: Choose one of the lead characters from your book and make a music playlist of 10 songs for them. You should choose songs for the playlist that reflect what the character is experiencing as the book progresses. For each song you choose, be sure to include an explanation IN COMPLETE SENTENCES of why that song is appropriate for the character.

Non-fiction book: After reading *The Port Chicago 50, Lincoln's Grave Robbers,* or *Bomb,* please complete the following project.

Directions: Create an alphabet book in which each letter of the alphabet represents a significant, person, event, setting, or symbol from the book you read. Each letter of the alphabet will include an illustration and a brief description (at least three sentences that explain how that item is significant).

Guidelines: The alphabet book should include the following:
- writing that is typed or IMPECCABLY written in INK
- a brief description of the item chosen for each letter
- descriptions written in complete sentences using proper grammar
- an illustration of some type for each entry (these can be hand drawn, cut out of a magazine, or printed from the computer)
- a book cover
- a title
- the author's name listed on the front of the book

In addition, the ABC Book will be graded on Ideas and Conventions (grammar and punctuation)

- Do all of your descriptions make sense.
- Do all of your descriptions and illustrations adhere to your chosen theme?
- Did you include interesting details?
- Did you correctly use conventions (correct grammar, punctuation, spelling, etc.)

Anne Frank the Diary of a Young Girl

Be prepared to discuss and write about this book when we return to school.

Book Mosaic

You are going to create a mosaic of ideas, quotes, thoughts, etc. about your book. Your mosaic will contain at least 24 tiles.
Label all of the tiles. Please put the tiles IN THE ORDER SHOWN. Pictures can be printed or drawn by hand.

Title of the book	Picture of main character	Picture of setting	Vocabulary word Include a definition.
Picture of author	Your choice	Quote Include who said it.	Picture of something important to main character
Quote Include who said it.	Vocabulary word Include a definition.	A significant event	Statement of conflict
Statement of conflict	Picture of something important to main character	Picture of setting	Quote Include who said it.
Best friend	Quote Include who said it.	If you liked this book read one of these.	Vocabulary word Include a definition.
Picture of setting	Statement of theme What are the BIG IDEAS of this book?	Quote Include who said it.	Picture of main character
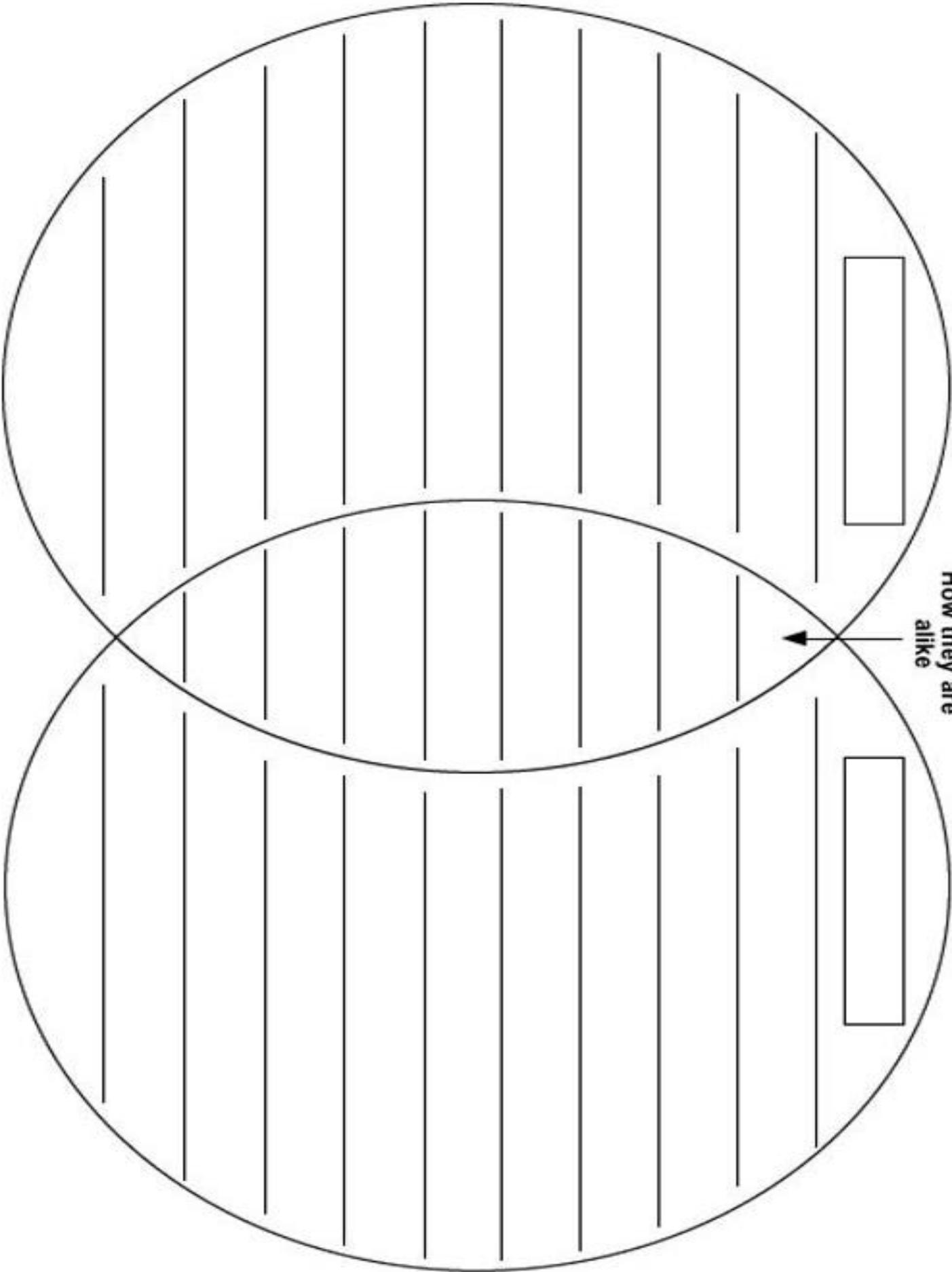
How they are
alike

Incoming 8th Grade – Summer Math 23-24
Mrs. Robertson

For summer math this year students will be completing the IXL Modules listed below to 70% (Smart Score). Go to ixl.com, click on **7th grade level,** and find and complete **(up to 70%)** the skills/modules below. Students will be awarded extra credit for going above 70%, and students may practice any other skills on IXL if they would like!

A.9
C.4
C.5
C.9
C.17
C.22
C.24
G.16
I.4
I.6
J.8
K.1
L.6
L.7
M.3
M.6
M.10
R.5
R.12
R.14
R.16
S.7
T.4
W.9
Y.5
Y.6

2023 -2024 Mrs. Sciortino's 8th Grade Summer Math

For summer math practice:

A: Math Facts: included in this assignment are 5 sets of math facts that you should use to practice your math facts to keep your them fresh in your brain. (strive to do one set or facts per week)

B: A list of IXL math sets that you should work on to keep basic skills that we have covered this year. Work on each set until you have achieved at least 80% on the level. (If you have forgotten your password, just email me and I will send it to you. (strive to do at least 1 IXL set per week)

IXL sets to work on this summer:

LEVEL	SET	SKILL
I	SET B-1	Understanding Integers
I	SET-C-12	Adding and subtracting Integers
I	SET C- 22	Multiplying and dividing integers
I	SET G-1	Adding and subtracting fractions
I	SET G-3	Adding and subtracting mixed numbers
I	SET G-9	Multiplying fractions
I	SET G-10	Multiplying mixed numbers
I	SET G-12	Dividing Fractions
I	SET G-13	Dividing mixed numbers
I	Set I-2	Exponents
I	Set I-8	Perfect squares
I	Set J-2	Equal Ratios

Set 1

| B | 1 | 1 | Forty addition facts | THE MAD MINUTE |

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

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Forty subtraction facts

THE MAD MINUTE

10 − 8	15 − 8	12 − 4	11 − 9
12 − 9	14 − 6	17 − 9	11 − 3
8 − 6	16 − 7	15 − 7	8 − 4
14 − 7	17 − 8	12 − 8	5 − 3
18 − 9	9 − 5	6 − 2	16 − 9
14 − 8	3 − 0	10 − 9	11 − 5
10 − 2	7 − 7	13 − 6	10 − 7
16 − 8	14 − 9	15 − 9	11 − 6
13 − 9	12 − 6	9 − 8	11 − 4
7 − 4	6 − 5	11 − 7	10 − 1

$\begin{array}{r}2\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}3\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}5\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}4\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}7\\ \times 4\\ \hline\end{array}$
$\begin{array}{r}9\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}7\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}9\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}0\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}6\\ \times 5\\ \hline\end{array}$
$\begin{array}{r}5\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}9\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}6\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}3\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}9\\ \times 4\\ \hline\end{array}$
$\begin{array}{r}6\\ \times 1\\ \hline\end{array}$	$\begin{array}{r}8\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}5\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}8\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}7\\ \times 0\\ \hline\end{array}$
$\begin{array}{r}8\\ \times 3\\ \hline\end{array}$	$\begin{array}{r}4\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}8\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}4\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}3\\ \times 9\\ \hline\end{array}$
$\begin{array}{r}5\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}7\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}4\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}9\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}1\\ \times 9\\ \hline\end{array}$
$\begin{array}{r}5\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}6\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}9\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}8\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}6\\ \times 8\\ \hline\end{array}$
$\begin{array}{r}7\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}7\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}8\\ \times 2\\ \hline\end{array}$	$\begin{array}{r}2\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}8\\ \times 4\\ \hline\end{array}$

$4\overline{)0}$ $6\overline{)6}$ $8\overline{)64}$ $5\overline{)30}$ $7\overline{)14}$ $8\overline{)48}$ $8\overline{)8}$ $4\overline{)20}$ $7\overline{)63}$ $2\overline{)2}$

$9\overline{)36}$ $8\overline{)24}$ $4\overline{)24}$ $7\overline{)28}$ $6\overline{)18}$ $8\overline{)0}$ $2\overline{)16}$ $6\overline{)42}$ $2\overline{)8}$ $5\overline{)40}$

$8\overline{)32}$ $5\overline{)20}$ $9\overline{)27}$ $9\overline{)72}$ $7\overline{)35}$ $3\overline{)21}$ $4\overline{)4}$ $6\overline{)36}$ $9\overline{)0}$ $8\overline{)40}$

$6\overline{)12}$ $9\overline{)18}$ $4\overline{)32}$ $7\overline{)49}$ $9\overline{)54}$ $6\overline{)24}$ $8\overline{)16}$ $9\overline{)45}$ $5\overline{)0}$ $9\overline{)9}$

Forty reducing facts, numerator greater than denominator

THE MAD MINUTE

$\frac{10}{2}$ ☐	$\frac{24}{12}$ ☐	$\frac{20}{14}$ ☐	$\frac{6}{4}$ ☐	$\frac{6}{2}$ ☐	$\frac{6}{3}$ ☐	$\frac{14}{10}$ ☐	$\frac{12}{3}$ ☐	$\frac{20}{15}$ ☐	$\frac{15}{5}$ ☐
$\frac{12}{8}$ ☐	$\frac{14}{7}$ ☐	$\frac{15}{10}$ ☐	$\frac{16}{4}$ ☐	$\frac{18}{12}$ ☐	$\frac{12}{10}$ ☐	$\frac{15}{6}$ ☐	$\frac{20}{4}$ ☐	$\frac{14}{12}$ ☐	$\frac{44}{33}$ ☐
$\frac{8}{2}$ ☐	$\frac{8}{6}$ ☐	$\frac{12}{6}$ ☐	$\frac{10}{4}$ ☐	$\frac{18}{3}$ ☐	$\frac{9}{3}$ ☐	$\frac{10}{5}$ ☐	$\frac{9}{6}$ ☐	$\frac{10}{6}$ ☐	$\frac{15}{9}$ ☐
$\frac{22}{11}$ ☐	$\frac{10}{8}$ ☐	$\frac{20}{12}$ ☐	$\frac{12}{9}$ ☐	$\frac{4}{2}$ ☐	$\frac{16}{8}$ ☐	$\frac{16}{12}$ ☐	$\frac{8}{4}$ ☐	$\frac{12}{4}$ ☐	$\frac{24}{6}$ ☐

Forty addition facts

Set 2

THE MAD MINUTE

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

Forty subtraction facts

THE MAD MINUTE

$$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$
$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$$
$$\begin{array}{r} 11 \\ -8 \\ \hline \end{array}$$
$$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$
$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$
$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ -0 \\ \hline \end{array}$$
$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$
$$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$
$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$
$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$
$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$
$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$
$$\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$
$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$
$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$
$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$
$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$
$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$
$$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$
$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$
$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

Forty multiplication facts

THE MAD MINUTE

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

Forty division facts

THE MAD MINUTE

3)12	6)12	3)18	7)7	9)45	5)10	9)27	6)48	7)49

3)12 6)12 3)18 7)7 9)45 5)10 9)27 6)48 7)49

5)45 5)40 8)8 6)42 7)63 9)18 4)0 8)48 5)15 7)14

8)24 9)36 7)35 5)30 8)72 7)0 9)63 6)18 4)24 8)40

6)54 2)16 8)16 9)81 3)21 4)32 6)30 8)32 5)20

Forty reducing facts, numerator greater than denominator

THE MAD MINUTE

$\dfrac{10}{8}\ \square$ $\dfrac{6}{2}\ \square$ $\dfrac{10}{6}\ \square$ $\dfrac{16}{8}\ \square$ $\dfrac{12}{3}\ \square$ $\dfrac{24}{10}\ \square$ $\dfrac{8}{4}\ \square$ $\dfrac{10}{4}\ \square$ $\dfrac{24}{6}\ \square$ $\dfrac{12}{4}\ \square$

$\dfrac{12}{10}\ \square$ $\dfrac{44}{33}\ \square$ $\dfrac{14}{7}\ \square$ $\dfrac{18}{15}\ \square$ $\dfrac{16}{12}\ \square$ $\dfrac{12}{9}\ \square$ $\dfrac{16}{6}\ \square$ $\dfrac{18}{6}\ \square$ $\dfrac{25}{20}\ \square$ $\dfrac{14}{8}\ \square$

$\dfrac{4}{2}\ \square$ $\dfrac{8}{2}\ \square$ $\dfrac{15}{6}\ \square$ $\dfrac{15}{12}\ \square$ $\dfrac{6}{4}\ \square$ $\dfrac{10}{2}\ \square$ $\dfrac{6}{3}\ \square$ $\dfrac{16}{4}\ \square$ $\dfrac{15}{5}\ \square$ $\dfrac{20}{10}\ \square$

$\dfrac{15}{3}\ \square$ $\dfrac{10}{5}\ \square$ $\dfrac{8}{6}\ \square$ $\dfrac{9}{3}\ \square$ $\dfrac{12}{8}\ \square$ $\dfrac{20}{16}\ \square$ $\dfrac{20}{5}\ \square$ $\dfrac{20}{4}\ \square$ $\dfrac{12}{6}\ \square$ $\dfrac{21}{7}\ \square$

Set 3

B	1	3

Forty addition facts

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +3 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ +9 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 0 \\ +6 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ +9 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +3 \\ \hline \end{array} \qquad \begin{array}{r} 1 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +9 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +3 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +1 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +6 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ +5 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +0 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +9 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +6 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +5 \\ \hline \end{array}$$

Forty subtraction facts

15 − 8	10 − 6	14 − 7	8 − 6
14 − 9	3 − 3	16 − 8	11 − 6
12 − 7	12 − 6	18 − 9	11 − 8
11 − 7	15 − 9	6 − 5	11 − 2

14 − 8	12 − 9	14 − 6	13 − 8
17 − 9	8 − 5	15 − 7	7 − 3
4 − 1	10 − 8	7 − 6	17 − 8
10 − 7	13 − 4	10 − 9	7 − 5

13 − 9	6 − 2
8 − 0	12 − 8
10 − 4	16 − 9
13 − 5	6 − 3

B   6   3   Forty multiplication facts

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

Forty division facts

$5\overline{)30}$ $6\overline{)6}$ $8\overline{)48}$ $9\overline{)36}$ $4\overline{)24}$ $9\overline{)27}$ $9\overline{)45}$ $7\overline{)63}$ $5\overline{)35}$ $9\overline{)0}$

$9\overline{)54}$ $4\overline{)8}$ $7\overline{)14}$ $3\overline{)21}$ $8\overline{)64}$ $6\overline{)24}$ $4\overline{)20}$ $5\overline{)20}$ $6\overline{)18}$ $6\overline{)42}$

$8\overline{)8}$ $6\overline{)30}$ $3\overline{)9}$ $8\overline{)72}$ $8\overline{)40}$ $5\overline{)0}$ $7\overline{)28}$ $6\overline{)48}$ $3\overline{)6}$ $2\overline{)14}$

$9\overline{)18}$ $7\overline{)42}$ $8\overline{)16}$ $2\overline{)8}$ $2\overline{)16}$ $6\overline{)54}$ $9\overline{)72}$ $9\overline{)81}$ $3\overline{)24}$ $7\overline{)35}$

D 6 3

Forty reducing facts, numerator greater than denominator

$\dfrac{6}{3}$	$\dfrac{9}{3}$	$\dfrac{10}{6}$	$\dfrac{12}{8}$	$\dfrac{20}{16}$	$\dfrac{15}{6}$	$\dfrac{10}{5}$	$\dfrac{9}{6}$	$\dfrac{6}{4}$	$\dfrac{12}{6}$
$\dfrac{10}{4}$	$\dfrac{8}{6}$	$\dfrac{16}{12}$	$\dfrac{18}{8}$	$\dfrac{20}{15}$	$\dfrac{12}{3}$	$\dfrac{8}{2}$	$\dfrac{44}{11}$	$\dfrac{12}{10}$	$\dfrac{16}{10}$
$\dfrac{12}{4}$	$\dfrac{15}{9}$	$\dfrac{40}{5}$	$\dfrac{18}{6}$	$\dfrac{24}{8}$	$\dfrac{24}{18}$	$\dfrac{20}{6}$	$\dfrac{15}{10}$	$\dfrac{4}{2}$	$\dfrac{25}{10}$
$\dfrac{18}{4}$	$\dfrac{30}{5}$	$\dfrac{20}{14}$	$\dfrac{8}{4}$	$\dfrac{6}{2}$	$\dfrac{10}{8}$	$\dfrac{15}{12}$	$\dfrac{18}{12}$	$\dfrac{20}{10}$	$\dfrac{16}{2}$

Set 4

B   1   4

Forty addition facts

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

THE MAD MINUTE

| B | 2 | 4 | Forty subtraction facts |

18−9	9−4	14−5	16−9	13−8	14−7	13−5	8−6	14−8	10−4
10−8	12−5	15−7	7−4	17−8	14−6	7−1	10−5	13−7	10−6
17−9	8−2	11−5	10−7	15−9	9−5	2−0	16−8	15−6	11−8
12−4	12−6	15−8	11−6	16−7	11−7	9−6	8−5	12−8	11−4

B	6	4

Forty multiplication facts

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

C 6 4

Forty division facts

$6\overline{)24}$ $9\overline{)18}$ $5\overline{)45}$ $6\overline{)48}$ $8\overline{)24}$ $9\overline{)63}$ $8\overline{)0}$ $7\overline{)14}$ $4\overline{)4}$ $8\overline{)72}$

$3\overline{)15}$ $7\overline{)56}$ $8\overline{)32}$ $3\overline{)9}$ $3\overline{)21}$ $9\overline{)27}$ $6\overline{)18}$ $7\overline{)42}$ $7\overline{)21}$ $6\overline{)30}$

$8\overline{)64}$ $6\overline{)12}$ $9\overline{)9}$ $9\overline{)45}$ $4\overline{)24}$ $5\overline{)20}$ $2\overline{)18}$ $6\overline{)36}$ $6\overline{)54}$ $9\overline{)81}$

$7\overline{)35}$ $9\overline{)54}$ $4\overline{)0}$ $8\overline{)16}$ $3\overline{)27}$ $9\overline{)72}$ $7\overline{)28}$ $6\overline{)42}$ $9\overline{)36}$ $7\overline{)63}$

Forty reducing facts, numerator greater than denominator

$\frac{12}{9}$ ☐ $\frac{12}{4}$ ☐ $\frac{6}{3}$ ☐ $\frac{15}{5}$ ☐ $\frac{9}{3}$ ☐ $\frac{30}{5}$ ☐ $\frac{20}{14}$ ☐ $\frac{40}{5}$ ☐ $\frac{10}{4}$ ☐ $\frac{12}{8}$ ☐

$\frac{8}{2}$ ☐ $\frac{14}{7}$ ☐ $\frac{16}{10}$ ☐ $\frac{18}{15}$ ☐ $\frac{6}{4}$ ☐ $\frac{20}{15}$ ☐ $\frac{8}{6}$ ☐ $\frac{14}{8}$ ☐ $\frac{24}{18}$ ☐ $\frac{16}{4}$ ☐

$\frac{20}{6}$ ☐ $\frac{20}{5}$ ☐ $\frac{10}{8}$ ☐ $\frac{24}{12}$ ☐ $\frac{20}{16}$ ☐ $\frac{16}{8}$ ☐ $\frac{33}{22}$ ☐ $\frac{6}{2}$ ☐ $\frac{8}{4}$ ☐ $\frac{10}{6}$ ☐

$\frac{12}{10}$ ☐ $\frac{10}{5}$ ☐ $\frac{15}{10}$ ☐ $\frac{18}{12}$ ☐ $\frac{20}{10}$ ☐ $\frac{4}{2}$ ☐ $\frac{12}{3}$ ☐ $\frac{12}{6}$ ☐ $\frac{25}{5}$ ☐ $\frac{16}{12}$ ☐

Set 5

B	1	5

Forty addition facts

$$8+2 \qquad 7+3 \qquad 6+4 \qquad 0+6 \qquad 9+7 \qquad 7+1 \qquad 4+8 \qquad 9+6 \qquad 8+8$$

$$4+6 \qquad 9+2 \qquad 8+7 \qquad 5+0 \qquad 6+9 \qquad 9+3 \qquad 1+8 \qquad 7+8 \qquad 8+6$$

$$8+3 \qquad 3+6 \qquad 7+7 \qquad 7+2 \qquad 6+6 \qquad 8+5 \qquad 4+7 \qquad 9+4 \qquad 6+8 \qquad 9+9$$

$$5+8 \qquad 8+4 \qquad 6+7 \qquad 8+9 \qquad 9+5 \qquad 5+7 \qquad 9+8 \qquad 7+6 \qquad 3+7 \qquad 7+9$$

B 2 5 Forty subtraction facts

13 − 4	10 − 5	15 − 6	8 − 8
10 − 6	11 − 5	6 − 4	17 − 9
16 − 9	12 − 5	9 − 6	17 − 8
12 − 6	10 − 9	16 − 8	10 − 2
11 − 3	18 − 9	13 − 8	14 − 9
14 − 5	2 − 0	10 − 4	14 − 6
13 − 5	11 − 4	14 − 8	13 − 6
15 − 9	12 − 3	11 − 2	10 − 3
9 − 1	4 − 2	7 − 1	7 − 1
11 − 9	13 − 9	12 − 9	9 − 4

B 6 5 Forty multiplication facts

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

Forty division facts

7)21	9)45	5)0	7)42	4)20	6)24	8)24	5)20	7)56	2)14
9)36	2)2	9)27	3)18	3)9	7)28	8)32	8)48	8)16	7)63
5)45	7)35	6)42	8)64	2)12	6)54	6)0	5)5	4)16	6)18
5)40	9)18	5)10	8)72	7)49	6)30	6)48	8)56	9)54	7)14

9C

D	6	5

Forty reducing facts, numerator greater than denominator

$\dfrac{18}{2}$ □ $\dfrac{20}{5}$ □ $\dfrac{8}{6}$ □ $\dfrac{9}{3}$ □ $\dfrac{9}{6}$ □ $\dfrac{4}{2}$ □ $\dfrac{16}{6}$ □ $\dfrac{22}{11}$ □ $\dfrac{8}{2}$ □

$\dfrac{10}{5}$ □

$\dfrac{12}{4}$ □

$\dfrac{10}{2}$ □ $\dfrac{14}{6}$ □ $\dfrac{15}{10}$ □ $\dfrac{18}{4}$ □ $\dfrac{18}{3}$ □ $\dfrac{6}{3}$ □ $\dfrac{15}{9}$ □ $\dfrac{20}{15}$ □ $\dfrac{18}{15}$ □ $\dfrac{30}{20}$ □

$\dfrac{24}{6}$ □

$\dfrac{10}{8}$ □ $\dfrac{12}{8}$ □ $\dfrac{12}{9}$ □ $\dfrac{12}{2}$ □ $\dfrac{18}{9}$ □ $\dfrac{16}{12}$ □ $\dfrac{16}{14}$ □ $\dfrac{14}{7}$ □ $\dfrac{10}{6}$ □

$\dfrac{12}{3}$ □

$\dfrac{12}{6}$ □ $\dfrac{10}{4}$ □ $\dfrac{20}{10}$ □ $\dfrac{6}{4}$ □ $\dfrac{12}{10}$ □ $\dfrac{16}{8}$ □ $\dfrac{55}{33}$ □ $\dfrac{8}{4}$ □ $\dfrac{6}{2}$ □