

## 7<sup>th</sup> Grade Summer Reading (Literature)

1. *Undefeated: Jim Thorpe and the Carlisle Indian School Football Team* by Steve Sheinkin
2. *The Cay* by Theodore Taylor
3. Choose ONE from the following non-fiction books:
  - a. *Ten Days a Madwoman: The Daring Life and Turbulent Times of the Original "Girl" Reporter Nellie Bly* By Deborah Noyes
  - b. *Florence Nightingale: The Courageous Life of the Legendary Nurse* by Catherine Reef
  - c. *March: Book One* by John Lewis & Andrew Aydin

**Note from Mrs. Miller:** We spend the first month of school going over these books, so it is very important that you complete ALL summer reading (3 books). Further, the summer work counts for a significant percentage of your 1<sup>st</sup> quarter grade, so the three projects are very important. These books will tie in with other books we will read in 7<sup>th</sup> grade, and I appreciate the time and effort you put into your summer work. I am looking forward to having you in class next year!

**Project #1 - Undefeated: Jim Thorpe and the Carlisle Indian School Football Team by Steve Sheinkin**

### **Book Folder:**

What: Using a standard file folder, you will create a tool to help other readers learn about your book and its author.

Materials: File folder, colored paper, markers, stickers, scissors, glue, etc.

1. Front of folder: Create your own artwork for the cover of the book. It will look best if you matte it on another piece of paper before gluing it to your folder. Make it fill the front of the file. This must be in color.
2. Inside left: Information about the author. Write a full paragraph (6-8 sentences) about the author's career. Include a small picture of the author (ONLY ONE no larger than 3x3"). If the book is part of a series, include smaller pictures of the covers of other books in the series. If they have a famous book, include a picture of that book's cover. If they have an author website, give the web address.
3. Inside right: Write a 3- paragraph summary of the book. You may use quotes from the book. Remember that a summary highlights key events of the book – not a detailed description of everything that happens.

4. Back: Write a review of the book. Make sure it is at least 6-8 sentences. This is NOT a summary, but gives your opinion of the book with examples that support your opinion.

## **Project #2 - The Cay by Theodore Taylor**

### **Project: Phillip's Journal**

We know that Phillip does not have a pencil or paper on the raft, but if he did, what kind of journal would he keep? Chapters 4, 5, and 6 tell major events of the first four days on the raft. Write appropriate journal entries for these four days from Phillip's point of view. When writing the entries for days two, three and four, remember that Phillip is blind. He would write about experiences based on sounds and feelings rather than on things being seen. Be sure to label each journal entry clearly (ex: Day #1). Each entry should be between 5-8 sentences. Prefer this assignment to be typed. Make sure your name is on your work.

## **Project #3 – Non-fiction book project**

**Choose ONE of the following non-fiction books:**

1. *Ten Days a Madwoman: The Daring Life and Turbulent Times of the Original "Girl" Reporter Nellie Bly* by Deborah Noyes
2. *Florence Nightingale: The Courageous Life of the Legendary Nurse* by Catherine Reef
3. *March: Book One* by John Lewis & Andrew Aydin

**Choose ONE from the following projects to complete for your non-fiction book project:**

1. Create a collage to represent the book you choose.
  - a. Your collage should have at least four (4) illustrations.
  - b. Create a key that describes each item of the collage.
  - c. Illustrations should be mounted on ½ size poster board and labeled (#1 - #4 + key).
  - d. A TYPED or NEATLY WRITTEN key should be in the middle.
  - e. Key needs to include pertinent dates, events and people that correspond to and describe each illustration.
2. Write a letter to the main character of your book asking questions, making a complaint or a suggestion, or writing your opinion about something that happened in the story.
  - a. Include all elements of a letter (date, greeting, body, closing and signature).

- b. Google “block letter format” for examples of proper formatting.
- c. Body of letter should be three (3) paragraphs in length. Whatever angle you choose (inquiry, suggestion, opinion), must use evidence from the book as to WHY you are writing this question, suggestion or opinion.
- d. Letter must be typed.
- e. Be sure to pay attention to number of spaces between date, address, body, etc.



## 7<sup>th</sup> Grade Summer Math

Mrs. Robertson

IXL Math: Go to the 6<sup>th</sup> Grade Level and work the following sets, complete until you have at least 70%.

<b>Set K2</b>	Add and subtract fractions with like denominators: word problems
<b>Set K3</b>	Add and subtract fractions with unlike denominators
<b>Set L6</b>	Multiply two fractions
<b>Set L9</b>	Scaling by fractions and mixed numbers
<b>Set M10</b>	Divide fractions and mixed numbers
<b>Set N3</b>	Evaluate numerical expressions involving fractions
<b>Set Q2</b>	Rational numbers: equal or not equal
<b>Set R9</b>	Follow directions on a coordinate plane
<b>Set S4</b>	Which model represents the ratio?
<b>SetZ10</b>	Write equivalent expressions using properties
<b>Set AA5</b>	Model and solve equations using algebra <u>tiles</u>

**MORE** ↓

Also attached are 3 sets of basic facts sheets, you should do 1 set of them every week.

**B****1****3***Forty addition facts**Set 3***THE MAD MINUTE**

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$$

**B****2****3**

Forty subtraction facts

**THE MAD MINUTE**

$$\begin{array}{r} 15 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

**B****6****3**

Forty multiplication facts

**THE MAD MINUTE**

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

**C****6****3***Forty division facts***THE MAD MINUTE**

$5 \overline{)30}$

$6 \overline{)6}$

$8 \overline{)48}$

$9 \overline{)36}$

$4 \overline{)24}$

$9 \overline{)27}$

$9 \overline{)45}$

$7 \overline{)63}$

$5 \overline{)35}$

$9 \overline{)0}$

$9 \overline{)54}$

$4 \overline{)8}$

$7 \overline{)14}$

$3 \overline{)21}$

$8 \overline{)64}$

$6 \overline{)24}$

$4 \overline{)20}$

$5 \overline{)20}$

$6 \overline{)18}$

$6 \overline{)42}$

$8 \overline{)8}$

$6 \overline{)30}$

$3 \overline{)9}$

$8 \overline{)72}$

$8 \overline{)40}$

$5 \overline{)0}$

$7 \overline{)28}$

$6 \overline{)48}$

$3 \overline{)6}$

$2 \overline{)14}$

$9 \overline{)18}$

$7 \overline{)42}$

$8 \overline{)16}$

$2 \overline{)8}$

$2 \overline{)16}$

$6 \overline{)54}$

$9 \overline{)72}$

$9 \overline{)81}$

$3 \overline{)24}$

$7 \overline{)35}$

**D****6****3**

Forty reducing facts, numerator greater than denominator

**THE MAD MINUTE**

$$\frac{6}{3}$$

$$\frac{9}{3}$$

$$\frac{10}{6}$$

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

$$\frac{15}{6}$$

$$\frac{20}{16}$$

$$\frac{9}{6}$$

$$\frac{10}{5}$$

$$\frac{6}{4}$$

$$\frac{12}{6}$$

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

$$\frac{8}{6}$$

$$\frac{16}{12}$$

$$\frac{18}{8}$$

$$\frac{12}{3}$$

$$\frac{20}{15}$$

$$\frac{8}{2}$$

$$\frac{44}{11}$$

$$\frac{12}{10}$$

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

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

$$\frac{15}{9}$$

$$\frac{40}{5}$$

$$\frac{18}{6}$$

$$\frac{24}{8}$$

$$\frac{24}{18}$$

$$\frac{20}{6}$$

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

$$\frac{4}{2}$$

$$\frac{25}{10}$$

$$\frac{18}{4}$$

$$\frac{30}{5}$$

$$\frac{20}{14}$$

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

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

$$\frac{10}{8}$$

$$\frac{15}{12}$$

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

$$\frac{20}{10}$$

$$\frac{16}{2}$$

# Set 4

**B**

**4**

Forty addition facts

**THE MAD MINUTE**

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

**B****2****4**

Forty subtraction facts

**THE MAD MINUTE**

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

**B****6****4**

Forty multiplication facts

**THE MAD MINUTE**

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

**C****6****4**

Forty division facts

**THE MAD MINUTE**

$$6 \overline{)24}$$

$$9 \overline{)18}$$

$$5 \overline{)45}$$

$$6 \overline{)48}$$

$$8 \overline{)24}$$

$$9 \overline{)63}$$

$$8 \overline{)0}$$

$$7 \overline{)14}$$

$$4 \overline{)4}$$

$$8 \overline{)72}$$

$$3 \overline{)15}$$

$$7 \overline{)56}$$

$$8 \overline{)32}$$

$$3 \overline{)9}$$

$$3 \overline{)21}$$

$$9 \overline{)27}$$

$$6 \overline{)18}$$

$$7 \overline{)42}$$

$$7 \overline{)21}$$

$$6 \overline{)30}$$

$$8 \overline{)64}$$

$$6 \overline{)12}$$

$$9 \overline{)9}$$

$$9 \overline{)45}$$

$$4 \overline{)24}$$

$$5 \overline{)20}$$

$$2 \overline{)18}$$

$$6 \overline{)36}$$

$$6 \overline{)54}$$

$$9 \overline{)81}$$

$$7 \overline{)35}$$

$$9 \overline{)54}$$

$$4 \overline{)0}$$

$$8 \overline{)16}$$

$$3 \overline{)27}$$

$$9 \overline{)72}$$

$$7 \overline{)28}$$

$$6 \overline{)42}$$

$$9 \overline{)36}$$

$$7 \overline{)63}$$

**D**

**6**

**4**

Forty reducing facts, numerator greater than denominator

**THE MAD MINUTE**

$\frac{12}{9}$

$\frac{12}{4}$

$\frac{6}{3}$

$\frac{9}{3}$

$\frac{15}{5}$

$\frac{30}{5}$

$\frac{20}{14}$

$\frac{40}{5}$

$\frac{12}{8}$

$\frac{8}{2}$

$\frac{14}{7}$

$\frac{16}{10}$

$\frac{6}{4}$

$\frac{18}{15}$

$\frac{20}{15}$

$\frac{8}{6}$

$\frac{14}{8}$

$\frac{16}{4}$

$\frac{20}{6}$

$\frac{20}{5}$

$\frac{10}{8}$

$\frac{24}{12}$

$\frac{20}{16}$

$\frac{16}{8}$

$\frac{33}{22}$

$\frac{6}{2}$

$\frac{8}{4}$

$\frac{10}{6}$

$\frac{12}{10}$

$\frac{10}{5}$

$\frac{15}{10}$

$\frac{18}{12}$

$\frac{20}{10}$

$\frac{4}{2}$

$\frac{12}{3}$

$\frac{12}{6}$

$\frac{25}{5}$

$\frac{16}{12}$

# Set 5

## THE MAD MINUTE

**B**

**1**

Forty addition facts

**5**

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

**B****2****5**

Forty subtraction facts

**THE MAD MINUTE**

$$\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

**B****6****5**

Forty multiplication facts

**THE MAD MINUTE**

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

**C****6****5**

Forty division facts

**THE MAD MINUTE**

$$\begin{array}{r} 7 \overline{)21} \\ 9 \overline{)45} \\ 5 \overline{)0} \\ 7 \overline{)42} \\ 4 \overline{)20} \\ 6 \overline{)24} \\ 8 \overline{)24} \\ 5 \overline{)20} \\ 7 \overline{)56} \\ 2 \overline{)14} \end{array}$$

$$\begin{array}{r} 9 \overline{)36} \\ 2 \overline{)2} \\ 9 \overline{)27} \\ 3 \overline{)18} \\ 3 \overline{)9} \\ 7 \overline{)28} \\ 8 \overline{)32} \\ 8 \overline{)48} \\ 8 \overline{)16} \\ 7 \overline{)63} \end{array}$$

$$\begin{array}{r} 5 \overline{)45} \\ 7 \overline{)35} \\ 6 \overline{)42} \\ 8 \overline{)64} \\ 2 \overline{)12} \\ 6 \overline{)0} \\ 6 \overline{)54} \\ 5 \overline{)5} \\ 4 \overline{)16} \\ 6 \overline{)18} \end{array}$$

$$\begin{array}{r} 5 \overline{)40} \\ 9 \overline{)18} \\ 5 \overline{)10} \\ 8 \overline{)72} \\ 7 \overline{)49} \\ 6 \overline{)30} \\ 6 \overline{)48} \\ 8 \overline{)56} \\ 9 \overline{)54} \\ 7 \overline{)14} \end{array}$$

**D****6****5**

Forty reducing facts, numerator greater than denominator

**THE MAD MINUTE**

$\frac{10}{5}$

$\frac{18}{2}$

$\frac{20}{5}$

$\frac{8}{6}$

$\frac{9}{3}$

$\frac{4}{2}$

$\frac{9}{6}$

$\frac{16}{6}$

$\frac{22}{11}$

$\frac{8}{2}$

$\frac{12}{4}$

$\frac{10}{2}$

$\frac{14}{6}$

$\frac{15}{10}$

$\frac{18}{4}$

$\frac{15}{9}$

$\frac{6}{3}$

$\frac{20}{15}$

$\frac{18}{15}$

$\frac{30}{20}$

$\frac{24}{6}$

$\frac{10}{8}$

$\frac{12}{8}$

$\frac{12}{9}$

$\frac{12}{2}$

$\frac{16}{12}$

$\frac{18}{9}$

$\frac{16}{14}$

$\frac{14}{7}$

$\frac{10}{6}$

$\frac{12}{3}$

$\frac{12}{6}$

$\frac{10}{4}$

$\frac{20}{10}$

$\frac{6}{4}$

$\frac{12}{10}$

$\frac{16}{8}$

$\frac{55}{33}$

$\frac{8}{4}$

$\frac{6}{2}$