

**AMERICAN MATH HW
WEEK OF 25AUG TO 29AUG**

Due Date: Sunday, 08/31 by midnight

Focus for the week: The focus of the HW this week is to be able to:

1. Review Place Value concepts for numbers up to 1 million –
 - i) Place value patterns (*Monday HW is mandatory*)
 - ii) Rounding numbers (*Tuesday HW is mandatory*)
2. Fluently recall multiplication facts (Recall 100 facts in 6 minutes) – These worksheets *are optional and not for a grade*

Pacing guideline: **Look at the top right corner of the page** to see the suggested pace for the homework.

Uploading Instructions: Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – “**the file has been successfully uploaded**”. If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work shown.

Note: Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day’s instruction builds on the previous lesson.

ANNOUNCEMENT – You have a quiz on multiplication facts (on Friday, 08/29). Use practice drills from the HW to practice for the quiz. You will have only 6 minutes to complete recall of 100 multiplication facts.

Additional Practice Material (Optional):

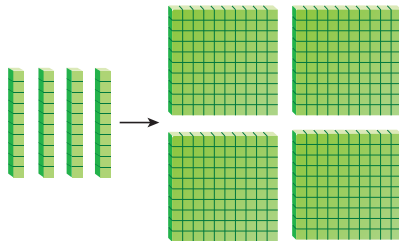
- 1) Multiplication facts recall practice drill worksheets in the HW packet
- 2) IXL practice:
 - i. Go to IXL.com on any web browser OR IXL app on iPad
 - ii. Login using following credentials:
 - Username – your_archie_username@archimedeanacad
 - Password – archie199
 - iii. Go to Learning> Skills> Fourth Grade Math
 - iv. Practice topics – A4, C3

Name _____

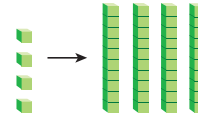
Place Value and Patterns

1. Emma and Jamie used base-ten blocks to show that 40 is one-tenth of 400. Whose model makes sense? Whose model does not make sense? Explain your reasoning.

Emma's Work



Jamie's Work



40 is $\frac{1}{10}$ of 400

4 is $\frac{1}{10}$ of 400

Problem Solving

2. Dhara had 3 dollars. She went to the bank and exchanged the 3 dollars for 30 dimes.



Describe the relationship between the value of a dollar and the value of a dime **using the following statement**

_____ is _____ times _____

Lesson Check

Fill in the bubble completely to show your answer.

3. Which statement is true?
- (A) 500 is 10 times as much as 50.
 - (B) 500 is $\frac{1}{10}$ as much as 50.
 - (C) 50,000 is 1,000 times as much as 5.
 - (D) 5 is $\frac{1}{10}$ as much as 500.
4. 7,000 is ten times as much as what number?
- (A) 70
 - (B) 7
 - (C) 70,000
 - (D) 700
5. Which statement is true?
- (A) 90 is $\frac{1}{10}$ of 100.
 - (B) 900 is 100 times as much as 9.
 - (C) 9,000 is 1,000 times as much as 90.
 - (D) 9 is $\frac{1}{10}$ of 900.
6. 720 is $\frac{1}{10}$ of what number?
- (A) 7,200
 - (B) 72
 - (C) 7
 - (D) 72,000

Spiral Review

What is the value of the underlined digit in each number?

7. 2,974 _____
8. 5,246 _____
9. 7,013 _____
10. 9,870 _____

Write the number in word form.

11. 5,471
-

12. 9,036
-

Name _____

Round Numbers

Round to the place value of the underlined digit.

1. $\underline{2}$,840

$$\begin{array}{r} \underline{2},840 \\ \uparrow \\ \text{greater than 5} \end{array} \quad \underline{\quad 3,000 \quad}$$

2. 3, $\underline{4}$ 99

3. 2,945

- Look at the digit to the right.
- If the digit to the right is *less than* 5, the digit in the rounding place stays the same.
- If the digit to the right is *5 or greater*, the digit in the rounding place increases by one.
- Write zeros for the digits to the right of the rounding place.

4. $\underline{9}$,422

5. 9, $\underline{7}$ 67

6. $\underline{1}$,306

7. 6, $\underline{0}$ 98

Problem Solving

Use the table for Problems 8–9.

8. Find the elevation of Red Trail in the table. Round the elevation to the nearest thousand feet.

_____ feet

9. What is the elevation of Blue Trail rounded to the nearest hundred feet?

_____ feet

Hiking Elevations	
Name	Height (feet)
Red Trail	6,500
Blue Trail	4,494

Lesson Check

11. What is 7,039 rounded to the nearest thousand?

12. To the nearest hundred, the number of visitors at the rodeo was 6,800. What might have been the exact number of visitors at the rodeo?

Spiral Review

13. Write the symbol that makes the following number sentence true.

$$\$546,322 \bigcirc \$540,997$$

14. Pittsburgh International Airport had approximately 714,587 passengers in August 2009. Write a number that is greater than 714,587.

16. The fourth grade collected 40,583 cans and plastic bottles. Write this number in word form.

The pages below are optional and not for a grade. They will help you practice for Quiz. Time yourself and try to finish each of these pages within 6 minutes.

Multiplication Facts to 144 (A)

Name: _____

Date: _____

Score: _____ /100

Calculate each product.

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 10 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 10 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 10 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 10 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 10 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

