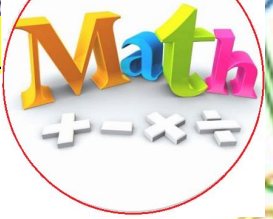


Name: _____

Section: _____



**WRITE YOUR NAME
OR NO GRADE!!!**

Homework

This week we will be finishing multiplication and begin with division.

Homework is due on MONDAY DECEMBER 4

Reminders

Please remember that homework is just a reinforcement of what we do in class. When a scholar completes homework, they are retaining the information. A scholar who does not complete the homework is more likely to forget what was learned in class.

Notes

- Homework is graded for completion. **However, students must show their work.** Students will lose 50% of the points if they turn in homework showing no work, even if the answers are present.
- **I will not accept homework more than four days late.** If the homework is **due on Monday**, the last day to turn it in will be **Friday**. Late homework will have points deducted. Homework will be graded as follows:
 - o On time and complete/work shown: 100%
 - o One day late: deduct 11 %
 - o Two days late: deduct 21 %
 - o Three days late: deduct 31%
 - o Four days late: deduct 41%
 - o Five days or more late: Z

Please feel free to contact me with any questions or concerns at natalie.roman@archimedean.org.

<input type="checkbox"/>	<u>Monday</u>	November 27	Finish Super Bad Super Hero Mystery
<input type="checkbox"/>	<u>Tuesday</u>	November 28	Number Patterns
<input type="checkbox"/>	<u>Wednesday</u>	November 29	Complete 3 Green Lights in Reflex Math EACH WEEK!!
<input type="checkbox"/>	<u>Thursday</u>	November 30	Equivalent Fractions
<input type="checkbox"/>	<u>Friday</u>	December 1	Divide to Find Equivalent Fractions

Number Patterns

WRITE YOUR NAME OR NO GRADE!

Use the rule to extend the pattern.

1. Rule: *Add 8*.

First term: 5

Think: Add 8.



5, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____, ...

2. Describe a pattern.

4, 19, 9, 24, 14, 29, 19, 34, 24, 39, 29, 44, ...

Rule: _____.

3. Use the rule to make the pattern.

Rule: Subtract 7. First Term: 95

95, _____, _____, _____, _____, _____, _____, ...


4. Identify a rule. Use it to extend the pattern.

54, 63, 72, _____, _____, _____, _____

Problem Solving

5. Bella is making a bead necklace. She strings 1 white bead, then 3 blue beads, then 1 white bead, and so on. Write the numbers for the first eight beads that are white. What is a rule for the pattern?
- _____
- _____

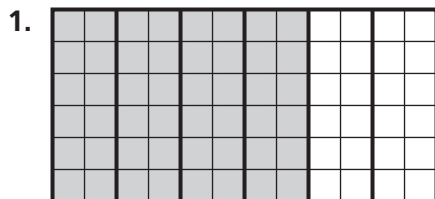
6. An artist is arranging tiles in rows to decorate a wall. Each new row has 2 fewer tiles than the row below it. If the first row has 23 tiles, how many tiles will be in the seventh row?
- _____

7.  **WRITE** *Math* Create your own rule for a pattern.. List a set of numbers that fit the pattern.
- _____

Equivalent Fractions

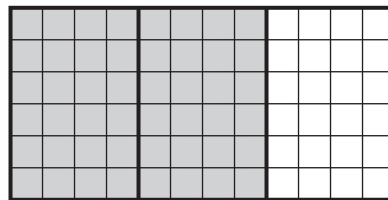
WRITE YOUR NAME OR NO GRADE!

Use the model to write an equivalent fraction.

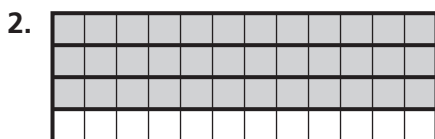


$$\frac{4}{6}$$

=



$$\frac{2}{3}$$



$$\frac{3}{4}$$

=



Tell whether the fractions are equivalent. Write = or \neq . SHOW YOUR WORK!

3. $\frac{10}{8} \bigcirc \frac{5}{4}$

4. $\frac{1}{2} \bigcirc \frac{7}{12}$

5. $\frac{4}{3} \bigcirc \frac{12}{8}$

6. $\frac{2}{3} \bigcirc \frac{4}{6}$

Problem Solving



Use model OR multiplication to answer these questions.
SHOW YOUR WORK!!

7. Jamal finished $\frac{5}{6}$ of his homework, Margaret finished $\frac{3}{4}$ of her homework, and Steve finished $\frac{10}{12}$ of his homework. Which two students finished the same amount of homework?

8. Sophia's vegetable garden is divided into 12 equal sections. She plants carrots in 8 of the sections. Write two fractions that are equivalent to the part of Sophia's garden that is planted with carrots.

9. **WRITE** *Math* Draw a model to show a fraction that is equivalent to $\frac{1}{3}$

Use Division to Generate Equivalent Fractions

A fraction is in **simplest form** when 1 is the only factor that the numerator and denominator have in common.

Tell whether the fraction $\frac{7}{8}$ is in simplest form.

Look for common factors in the numerator and the denominator.

Step 1 The numerator of $\frac{7}{8}$ is 7. List all the factors of 7.	$1 \times 7 = 7$ The factors of 7 are 1 and 7.
Step 2 The denominator of $\frac{7}{8}$ is 8. List all the factors of 8.	$1 \times 8 = 8$ $2 \times 4 = 8$ The factors of 8 are 1, 2, 4, and 8.
Step 3 Check if the numerator and denominator of $\frac{7}{8}$ have any common factors greater than 1.	The only common factor of 7 and 8 is 1.
So, $\frac{7}{8}$ is in simplest form.	

Tell whether the fraction is in simplest form. Write yes or no.

1 $\frac{4}{10}$

2 $\frac{2}{8}$

3 $\frac{3}{5}$

Write the fraction in simplest form.

4 $\frac{4}{12}$

5 $\frac{6}{10}$

6 $\frac{3}{6}$
