

Name: _____

Section: _____



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

Homework

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

Homework is due on FRIDAY November 17

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 13	Factors and Multiples
<input type="checkbox"/>	<u>Tuesday</u>	November 14	Divisibility Word Problems
<input type="checkbox"/>	<u>Wednesday</u>	November 15	Factors and Multiples Word Problems
<input type="checkbox"/>	<u>Thursday</u>	November 16	NONE -TEST TODAY
<input type="checkbox"/>	<u>Friday</u>	November 17	NONE

1. Multiply to list the next five multiples of 4.

4 _____, _____, _____, _____, _____, _____
 1×4

Is the number a factor of 12? Write *yes* or *no*.

2. 3

3. 6

4. 16

5. 18

Is the number a multiple of 6? Write *yes* or *no*.

6. 3

7. 6

8. 16

9. 18

Is the number a multiple of 3? Write *yes* or *no*.

10. 4

11. 8

12. 24

13. 38

14. List the next nine multiples of each number. Find the common multiples.

Multiples of 2: 2, _____

Multiples of 8: 8, _____

Common multiples: _____

MTR Find the unknown number.

15. 12, 24, 36, _____

16. 25, 50, 75, 100, _____

Tell whether 20 is a factor and or multiple of the number.

Write *factor*, *multiple*, or *neither*.

17. 10

18. 20

19. 30

Write *true* or *false*. Explain.

20. Every whole number is a multiple of 1.

21. Every whole number is a factor of 1.

Solve the Following Word Problems

1. Alice has a collection of even-numbered marbles. If she arranges them in rows of 4, will there be any marbles left over?
2. In a deck of cards, John selects 18 cards. How many of these cards will have an even number?
3. A toy factory is packaging toys into boxes, with each box containing 6 toys. If they have 28 toys left to package, can they evenly fill the last box?
4. Sarah is organizing a stack of books, some with even page numbers and some with odd page numbers. If she picks up 15 books, how many of them will have an even number of pages?
5. A bakery bakes cookies and places them in trays of 24. If they have 37 cookies remaining, can they fill another complete tray?
6. A gardener is planting flowers in sets of 10. If there are 56 flowers left to plant, can they form a complete set?

Name: _____

Factors and Multiples Word Problems

Read each problem and record either F (Factors) or M (Multiples) in the box to show that you understand the strategy needed to solve the problem.

F

1. Sarah is campaigning for class president and plans to distribute some campaign materials: 20 flyers and 16 buttons. She wants each classroom to receive an identical set of campaign materials, without having any materials left over. What is the greatest number of classrooms Sarah can distribute materials to?

20: 1, 2, 4, 5, 10, 20

4 classrooms

16: 1, 2, 4, 8, 16

2. Jessica wants to create snack bags for a trip she is going on. She has 6 granola bars and 10 pieces of dried fruit. If the snack bags should be identical without any food left over, what are the different amounts of the two snacks she could put in the bags?

3. Kevin goes hiking every 12 days and swimming every 6 days. He did both kinds of exercise today. How many days from now will he go both hiking and swimming again?

4. Maddison is making emergency-hurricane kits to share with friends. She has 12 bottles of water and 16 cans of food, which she would like to distribute equally among the kits. Could Maddison make kits for 8 of her friends?

5. A group of 16 girls and 8 boys are on a dance crew. They want to break their crew up into smaller teams so they have a better chance to get selected on America's Got Talent. To keep it consistent, they want each team containing the same combination of girls and boys and, of course, no one can be left out! What is the greatest number of teams the crew can make? How many boys and how many girls would be on each team?