AMERICAN MATH HW
WEEK OF November 3 to November 7

Due Date: **Sunday, 11/9 by midnight**

Focus for the week: The focus of the HW this week is Factors, Multiples, and Number Patterns.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

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 is 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 – Quiz on Wed 11/05 on content covered last week.

Additional Practice Material (Optional):

1) 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 modules –
   Fourth Grade : G1-G10

Name _____ Tuesday

Factors and Divisibility

Go Online
Interactive Examples

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

1. 36

Think: $6 \times 6 = 36$

yes

2. 56 _____

3. 42 _____

4. 66 _____

Is 5 a factor of the number? Write *yes* or *no*.

5. 38 _____

6. 45 _____

7. 60 _____

8. 39 _____

List all the factor pairs in the table.

9.

Factors of 12	
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____

10.

Factors of 25	
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____

11. List all the factor pairs for 48. Make a table to help.

_____

_____

Problem Solving Real World

12. Bryson buys a bag of 64 plastic miniature dinosaurs. Could he distribute them equally into six storage containers and not have any left over? Explain.

_____

13. WRITE Math Find the factors of 42. Show and explain your work, and list the factor pairs in a table.

_____

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Name Wednesday

Factors and Multiples

Go Online
Interactive Examples

Is the number a multiple of 8? Write *yes* or *no*.

1. 4

Think: Since $4 \times 2 = 8$, 4 is a *factor* of 8, not a multiple of 8.

no

2. 8 _____

3. 20 _____

4. 40 _____

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

5. Multiples of 4: 4, _____

Multiples of 7: 7, _____

Common multiples: _____

6. Multiples of 3: 3, _____

Multiples of 9: 9, _____

Common multiples: _____

Tell whether 24 is a factor or multiple of the number.
Write *factor*, *multiple*, or *neither*.

7. 6 _____

8. 36 _____

9. 48 _____

Problem Solving Real World

10. Duy paid \$12 for two magazines. The cost of each magazine was a multiple of \$3. What are the possible prices of the magazines?

_____

11. Nhi bought some shirts for \$12 each. Marge bought some shirts for \$8 each. The girls spent the same amount of money on shirts. What is the least amount they could have spent?

_____

12. WRITE Math Write a word problem that can be solved by finding the numbers that have 11 as a factor.

_____

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Name Thursday

LESSON 7.3
Practice and Homework

Prime and Composite Numbers

Go Online
Interactive Examples

Tell whether the number is *prime* or *composite*.

1. 47

Think: Does 47 have other factors besides 1 and itself?

prime

2. 68

3. 52

4. 63

5. 75

6. 31

7. 77

8. 59

9. 87

Problem Solving Real World

10. Tai wrote the number 85 on the board. Is 85 prime or composite? Explain.

11. Yuki says that 43 is a 2-digit odd number that is composite. Is she correct? Explain.

12. WRITE Math Describe how to decide if 94 is a prime number or composite number.

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Name Friday

LESSON 7.4
Practice and Homework

Number Patterns

Go Online
Interactive Examples

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 Real World

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 Give an example of a rule for a pattern. List a set of numbers that fit the pattern.

_____

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