

5

Learning Activity Sheets for Mathematics 5

Quarter 2

Lesson

7

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Learning Activity Sheet for Mathematics Grade 5
Quarter 2: Lesson 7
SY 2025-2026

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics 5	Quarter:	2 nd Quarter
Lesson No.:	7	Date:	
Lesson Title/ Topic:	Divisibility Rules		
Name:		Grade & Section:	

I. Activity 1 : Divisibility Rule for 4 and 8 (15 - 25 minutes)

II. Objective(s):

- a. Apply divisibility rules to determine if a number is divisible by 4 and 8 by observing the number's last two or three digits.

III. Materials Needed:

Paper, Pencil or Pen

IV. Instructions:

- A. Put a number on the line to make the given number divisible by the numbers inside the parenthesis. (1 point each)

1. 1,56 ____ (4 only)
2. 8,03 ____ (4 only)
3. 11,55 ____ (4 only)
4. 43,80 ____ (4 and 8)
5. 146,00 ____ (4 and 8)

- B. Identify the common factors of the given numbers using the divisibility rules for 4 and 8. ENCIRCLE all the number that applies on each row that corresponds to each item. (2 points per correct answer).

	Numbers	4	8	Common Factors
Ex.	480 and 1,012	4	8	4 only
1.	300 and 5,000	4	8	
2.	860 and 1,540	4	8	
3.	4,504 and 6,084	4	8	
4.	1,448 and 1,800	4	8	
5.	10,216 and 12,808	4	8	

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Learning Area:	Mathematics 5	Quarter:	2 nd Quarter
Lesson No.:	7	Date:	
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Name:		Grade & Section:	

I. Activity 2 : Divisibility Rule for 6 and 12 (15 - 25 minutes)

II. Objective(s):

- a. Apply divisibility rules to determine if a number is divisible by 6 and 12 by applying two divisibility rules.

III. Materials Needed:

Paper, Pencil or Pen

IV. Instructions:

- A. Determine whether each statement is **TRUE** or **FALSE** using the divisibility rules for 6 and 12. Write your answer on the line before each item.

- ____ 1. 852 is divisible by 6.
- ____ 2. 2,346 is divisible by 12.
- ____ 3. 4,284 is divisible by 12.
- ____ 4. 6,443 is both divisible by 6 and 12.
- ____ 5. 93,600 is both divisible by 6 and 12.

- B. Identify the common factors of the given numbers using the divisibility rules for 6 and 12. ENCIRCLE all the number that applies on each row that corresponds to each item. (2 points per correct answer).

	Numbers	6	12	Common Factors
Ex.	1,452 and 864	6	12	6 and 12
1.	246 and 834	6	12	
2.	. 772 and 828	6	12	
3.	2,346 and 918	6	12	
4.	1,332 and 1,800	6	12	
5.	2,656 and 7,176	6	12	

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Name:		Grade & Section:	

I. Activity 3 : Divisibility Rule for 11 (15 - 25 minutes)

II. Objective(s):

- Apply divisibility rules to determine if a number is divisible by 11 by observing the sum of the alternating digits of a number.

III. Materials Needed:

Paper, Pencil or Pen

IV. Instructions:

- A.** ENCIRCLE which of the following numbers in the table is divisible by 11. (2 points for every correct answer)

572	1,432	3,420	5,742	12,530
648	2,035	4,081	6,112	16,819

- B.** Put a number on the line to make the given number divisible by the numbers inside the parenthesis. (1 point each)

- 2,65 ____
- 4,86 ____
- 5 ____19
- 7,6 ____9
- 14,96 ____

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Learning Area:	Mathematics 5	Quarter:	2 nd Quarter
Lesson No.:	7	Date:	
Lesson Title/ Topic:	Divisibility Rules		
Name:		Grade & Section:	

I. Activity 4 : Formative Assessment (30-minutes)

II. Objective(s):

- a. Apply divisibility rules to determine if a number is divisible by 4 and 8 by observing the number's last two or three digits.
- b. Apply divisibility rules to determine if a number is divisible by 6 and 12 by applying two divisibility rules.
- c. Apply divisibility rules to determine if a number is divisible by 11 by observing the sum of the alternating digits of a number.

III. Materials Needed:

Paper, Pencil or Pen, Coloring material

IV. Instructions:

- A.** Complete the chart below. Draw a happy face (☺) in the appropriate space if the given number is divisible by the number in the top row. Draw a sad face (☹) if not. (1 point per correct answer)

	Numbers	4	6	8	11	12
Example	1,344	☺	☺	☺	☹	☺
1.	2,398					
2.	4,656					
3.	9,108					
4.	10,500					
5.	33,000					

- B.** Identify the common factors of the given numbers using the divisibility rules 4, 6, 8, 11, and 12. If the number/s in the top row is a common factor of the given numbers, shade the appropriate box with a **RED** color. Shade the box **BLUE** if otherwise.

	Numbers	4	6	8	11	12	Common Factors
Ex.	648 and 1,056	4	6	8	11	12	4, 6, 8, and 12
1.	632 and 800	4	6	8	11	12	
2.	1,212 and 2,024	4	6	8	11	12	
3.	1,672 and 7,040	4	6	8	11	12	
4.	2,436 and 3,444	4	6	8	11	12	
5.	6,600 and 11,880	4	6	8	11	12	

V. Synthesis/Extended Practice/Differentiation (if needed):

Let us put all the divisibility rules that we have learned for this week into practice. Put check (✓) in the appropriate space if the number is divisible by the number in the top row. Put (✗) if it is not.

	Numbers	2	3	4	5	6	8	9	10	11	12
Example	1,056	✓	✓	✓	✗	✓	✓	✗	✗	✓	✓
1.	3,060										
2.	5,115										
3.	7,011										
4.	9,196										
5.	12,540										