

Worksheet 5 | The Primary Stage of Grades (4-5)
2023-2024

Name: *Key*

Date: / 11 / 2023

Subject: Math

Class: Grade 4 CP (All Sections)

Objective: Be able to

Know and apply divisibility rules.

Divide 3 and 4 digits numbers by one digit.

Divisible means can be
divided without a
remainder.

The number is divisible by	If it meets the following Conditions	Example
2	It is even Ends with(0 Or 2 Or 4 Or6 Or 8)	152 398 150
3	Sum of the digits a multiple of 3	54 $5+4=9$ (9 is a multiple of 3) 654 ($6+5+4=15$) 15 is a multiple of 3
4	The last 2 digits a multiple of 4 or divisible by 4OR 00	512 936 128 12,36 and 28 are all multiples of 4
5	The number ends with 5 OR Zero	620 135
6	The number is EVEN and a multiple of 3	654 even and sum of the digits is a multiple of 3. $6+5+4=15$ 15 is a multiple of 3
9	Sum of the digits a multiple of 9	792 ($7+9+2=18$) 18 is a multiple of 9

2) Put a (✓) if the number on the left is divisible by the number of each column. (The first one is done for you).

	Divisible by 2 <i>even</i>	Divisible by 3 <i>sum of digit</i>	Divisible by 4 <i>00 multiple of 4</i>	Divisible by 6 <i>2+3</i>	Divisible by 9 <i>sum of digits (9)</i>
300 (3)	✓	✓	✓	✓	
843 (15)		✓			
925 (16)					
198 (18)	✓	✓		✓	✓
736 (16)	✓		✓		
2380 (13)	✓		✓		

3) Complete the following statements

A number is divisible by ---	Example
a) 2 if the last digit is <u>even</u>	any even number
b) 5 if the last digit is <u>ends with zero or five</u>	any digit: <u>5</u> <u>0</u>
c) 6 if the number is divisible by both <u>2 and 3</u>	even + sum of digits multiple of 3

4) Match the number to its divisibility rule.

6
2
5
3
9
4

<u>2</u>	1) Even number
<u>4</u>	2) last 2 digits 00 or multiple of 4
<u>9</u>	3) Sum of digits multiple of 9
<u>6</u>	4) Even and Sum of digits multiple of 3
<u>5</u>	5) Ends with 5 or 0
<u>3</u>	6) Sum of digits multiple of 3
<u>1</u>	

Steps of long division

- 1) Divide (DAD)
- 2) Multiply (Mom)
- 3) Subtract (Sister)
- 4) Bring down (Brother)
- 5) Repeat

	x	3	2	1	
	3	9	6	4	Dividend
	-	9			
		0	6		
		-	6		
			0	4	
			-	3	
				1	Remainder

Quotient

Divisor

Let's Try

	x	4	2	
	2	8	4	
	-	8		
		0	4	
		-	4	
			0	

5) Find the following:

$\begin{array}{r} \times 127 \\ 5 \overline{) 635} \\ - 5 \\ \hline 13 \\ - 10 \\ \hline 035 \\ - 35 \\ \hline 00 \end{array}$	$\begin{array}{r} \times 244 \\ 4 \overline{) 976} \\ - 8 \\ \hline 17 \\ - 16 \\ \hline 016 \\ - 16 \\ \hline 00 \end{array}$	$\begin{array}{r} \times 117 \\ 7 \overline{) 819} \\ - 7 \\ \hline 11 \\ - 7 \\ \hline 49 \\ - 49 \\ \hline 0 \\ \text{remainder } 0 \end{array}$
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5
10
15
20
25
30
35
40
45

$\begin{array}{r} \times 167 \\ 5 \overline{) 835} \\ - 5 \\ \hline 33 \\ - 30 \\ \hline 035 \\ - 35 \\ \hline 00 \end{array}$	$\begin{array}{r} \times 069 \\ 9 \overline{) 621} \quad 9 \\ - 0 \\ \hline 56 \\ - 54 \\ \hline 81 \\ - 81 \\ \hline 00 \end{array}$	$\begin{array}{r} \times 152 \\ 6 \overline{) 912} \\ - 6 \\ \hline 31 \\ - 30 \\ \hline 12 \\ - 12 \\ \hline 00 \end{array}$
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