Greek Orthodox Patriarchate School
International - Hanina

Math (CP) Department **Academic Year : 2025/2026**

Name : _____ **Grade : 4 (A & B)**

Date : _____ **Booklet 5**

Q1) Solve the following then decide whether it is divisible or not divisible:

$5\overline{)568}$ divisible , not divisible	$2\overline{)498}$ divisible , not divisible	$8\overline{)106}$ divisible , not divisible	$3\overline{)192}$ divisible , not divisible
$4\overline{)636}$ divisible , not divisible	$8\overline{)729}$ divisible , not divisible	$7\overline{)735}$ divisible , not divisible	$6\overline{)873}$ divisible , not divisible

Q2) Use long division to complete the table.

Number	Is the number Divisible by 2?	Is the number Odd or even?
28		
63		
90		

Divisibility Rule: _____

Q3) Without dividing, circle the number which is divisible by 2.

347, 246 , 459 , 65 , 441 , 534 , 222

Q4) Use long division to complete the table.

Number	Is the number Divisible by 5?	What is the digit in the ones place?
75		
26		
50		

Divisibility Rule: _____

Q5) Without dividing, circle the number which is divisible by 5.

674, 546 , 890 , 785 , 445 , 252 , 220

Q6) Use long division to complete the table.

Number	Is the number Divisible by 10?	What is the number In the ones?
380		
550		
909		

Divisibility Rule: _____

Q7) Without dividing circle the number which is divisible by 10.

254, 570 , 800 , 679, 445 , 716 , 850

Q8) Use long division to complete the table.

Number	Is the number Divisible by 100?	What is the number In the ones?	What is the number In the tens?
200			
420			
56000			

Divisibility Rule: _____

Q9) Use long division to complete the table.

Number	Is the number divisible by 3?	What is the sum of the digits?	Is the sum of the digits divisible by 3?
64			
600			
513			

Divisibility Rule: _____

Q10) Without dividing circle the number which is divisible by 3.

897 , 111 , 863 , 956 , 445 , 222 , 850

11) Use long division to complete the table.

Number	Is the number divisible by 2?	Is the number divisible by 3?	Is the number divisible by 6?
64			
672			
564			

Divisibility Rule: _____

Q12) Without dividing circle the number which is divisible by 6.

171 , 252 , 524 , 960 , 636 , 220 , 850

Q13) Fill in the table below.

Number	The sum of the digits	Is the sum of the digits divisible by 9?	Is the number divisible by 9?
97			
1008			
5655			
8946			

Divisibility Rule: _____

Q14) Circle all the numbers that are divisible by 9 in the following:

41, 54 , 7992 , 34 , 27 , 441 , 809 , 222

Divisibility Rules:

Divisible by 2:
All even numbers are divisible by 2.
Example: 678 is divisible by 2.

Divisible by 3:
Add up the digits of the number if their sum is divisible by 3, then the number is divisible by 3.
Example: 36 $3 + 6 = 9$
Since 9 is divisible by 3 then 36 is divisible by 3.

Divisible by 4:

If the last two digits form a number that is divisible by 4

or if the last two digits are zeros (00).

Example: 348 or 500

Divisible by 5:
If the unit digit is 0 or 5.
Example: 45 or 670

Divisible by 6:
If it is even and divisible by 3.
Example: 36 (it is even and $3 + 6 = 9$ divisible by 3)

Divisible by 9:
Add up the digits of the number if their sum is divisible by 9, then the number is divisible by 9.
Example: 981 $9 + 8 + 1 = 18$
Since 18 is divisible by 9 then 981 is divisible by 9.

Divisible by 10:
If the units digit is 0.
Example: 360

Divisible by 100:
The units and the tens must be (00).
Example: 3600

A Number is divisible by another number if it can be divided by that number with no remainder.

SO DIVISIBLE means REMAINDER = ZERO

Q15) Look at these numbers:

8 514	**3 700**	**7 675**	**8 765**	**5 555**
2 369	**3 736**	**54 111**	**63 408**	**1 245**

a) Which numbers are divisible by 2 ?

_____ _____ _____ _____

b) Which numbers are divisible by 3 ?

_____ _____ _____ _____

c) Which numbers are not divisible by 5 ?

_____ _____ _____ _____ _____

d) Which number is divisible by 10 ?

_____

e) Which number is divisible by both 5 and 10 ?

_____

f) Which numbers are divisible by 4 ?

_____ _____

g) Which numbers are divisible by 6 ?

_____ _____

Q16) Test the number 5622 if it is divisible by:

Divisor	Poetry	Divisible (Y/N)	Why/Why Not?
1	If it's a whole number, you're done, It's divisible by **one**.		
2	If it's even, it's true It's divisible by **two**.		
3	Add the digits to see If it's divisible by **three**.		
4	Divide the last two digits by four, And you'll get **four** for sure.		
5	If it ends with five or zero, It makes **five** a hero.		
6	If you got two and three You get **six** for free!		
9	Add the digits, that's fine To check on the **nine**.		
10	A zero at the end And we'll feel good about **ten**.		

Divisibility Rule of 100

A number is divisible by 100 if it ends in "00"

For example: 450,000 is divisible by 100

Q17) Look at the numbers in the first column and test it against the divisibility rules; the first one is done for you:

	2	3	4	5	6	9	10	100
1368	yes	yes	yes	/	yes	yes	/	/
3636								
514								
51114								
3700								
63408								
7675								
5555								
18								
12450								

Which numbers can be divided by 2, 10 and 5 ?

_____

Q18) Fill in the blanks with a number to make the sentence correct (the first one is done for you, knowing that there could be more than one answer) :

a) 718 4_ divisible by 2

b) 2174__ divisible by 2 and 5

c) 4163__ divisible by 6

d) 81543__ divisible by 6 and 10

e) 643__ divisible by 4

f) 182__ divisible by 9

g) 454__ divisible by 9 and 5

Q19)

Here are four digits.

0	1	2	4

Write a **different** digit in each box so that each number is divisible by 4

28 ☐ 430 ☐

55 ☐ 1 ☐ 6

Number	Divisibility Rule	Example
2	Numbers are divisible by 2 if the last digit is even.	54 is divisible by 2 because it ends in 4 which is an even number.
3	Numbers are divisible by 3 if the sum of the digits is divisible by 3.	456 is divisible by 3 because the sum of the digits (4+5+6) equals 15 and 15 is divisible by 3.
4	Numbers are divisible by 4 if the last 2 digits form a number divisible by 4.	336 is divisible by 4. The last 2 digits are 36 and 36 is divisible by 4.
5	A number is divisible by 5 if it ends in a 0 or 5.	210 and 225 are both divisible by 5 because they end in a 0 or 5.
6	A number is divisible by 6 if it is divisible by 2 AND 3.	408 is divisible by 6 because it is divisible by 2 AND 3. It is divisible by 2 because the last digit is 6 which is even. It is divisible by 3 because the sum of the digits (4+0+8) equals 12 which is divisible by 3.
9	A number is divisible by 9 if the sum of the digits is divisible by 9.	3222 is divisible by 9 because the sum of the digits (3+2+2+2) equals 9 which is divisible by 9.
10	A number is divisible by 10 if the last digit is zero.	580 is divisible by 10 because it ends in a zero.