U1-L1-Divisibility

1. In each of the following, circle the numbers which are:

a. Divisible by 2 (15, 18, 102, 5224, 6, 143, 570)

b. Divisible by 4 (300, 212, 9224, 7123, 1230)

c. Divisible by 6 (390, 128, 300, 7251, 2323)

d. Divisible by 10 (107, 510, 315, 7200, 272)

e. NOT divisible by 2 (30, 241, 3528, 10253, 527)

f. NOT divisible by 3 (23, 36, 108, 127, 20, 130)

2. Write three numbers which are divisible by:

a. Both 2 and 5 (……,……,……)

b. Both 2 and 10 (……,……,……)

c. Both 5 and 6 (……,……,……)

d. 2 , 3 and 5 (……,……,……)

e. 4, 5 and 6 (……,……,……)

3. Complete as in the example:

5x9=45,then 45 is a multiple of each of 5 and 9 and also is divisible by each of 5 and 9

a. 9 × 10 = ……., then…… is a multiple of each of…….. and……and also is divisible by each of ……and ……..

b. …….× 5 = 150, then……. is a multiple of each of…….. and……..and also is divisible by each of ……..and ……..

4. Complete with "divisible" or "not divisible":

a. 12 is …… by 5

b. 93 is …….. by 2

c. 120 is …….. by 10

5*. Complete the table:*

The number	Divisible by 2	Divisible by 3	Divisible by 4	Divisible by 5	Divisible by 6	Divisible by 10
102						
21						
225						
100						
120						
101						

b. From the previous table, complete:

- The numbers which divisible by 2 are ……
- The numbers which divisible by 3 are ……
- The numbers which divisible by 4 are ……
- The numbers which divisible by 5 are ……
- The numbers which divisible by 6 are ……
- The numbers which divisible by 10 are ……

6. Complete the following:

a. The number is divisible by 5 if its Ones digit is ……

b. The two numbers 18 and 21 are divisible by ……

c. The smallest number which can be added to 677 to make the result divisible by 3 is ……

d. The smallest 3-digit number divisible by 2,5 and 10 is ……

e. The smallest 3-digit number divisible by 3,4 and 5 is ……

8. Which situation is expressing divisibility? *Mark all the correct:*

a. A school accompanied 254 students to participate in a campaign to donate for the Egyptian Food Bank. Is it possible to distribute the students equally among 5 buses?

b. The number of shares donated by the Food Bank's top donor 1,250 shares at each of 10 different branches. Are the shares distributed equally among the Food Bank branches?

✧ *Choose the correct answer:*

1. Any number is divisible by 2

A. Prime B. even C. whole D. odd

2. Any number is divisible by 3 if the sum of its digits is divisible by

A. 2 B. 3 C. 5 D. 4

3. The number…… is NOT divisible by 4

A. 412 B. 444 C. 516 D. 434

4. (511+……) is divisible by 5

A. 1 B. 3 C. 6 D. 9

5. The number ……is divisible by both 4 and 5

A. 200 B. 315 C. 210 D. 745

6. The number is divisible by 4,6 and 10

A. 120 B. 130 C. 230 D. 440

7. The numbers which are divisible by both 2 and 3 are also divisible by

A. 5 B. 10 C. 6 D. 4

8. Each whole number is divisible by

A. 0 B. 1 C. 2 D. 5