Department of Education, Sabaragamuwa Province – Weekly School

Grade: 6 | Subject: - Mathematics | Week : 20

Unit : - Factors and Multiples (Second week)

Number of Periods : - 09

Clearly understand the pages 151 and 152, to know whether a number is divisible by 2, by5 and by 10.

If the digit in ones place of a number is divisible by 2 then that number is divisible by 2 without a remainder.

Ex : -

348

$$\begin{array}{r|l} & 4 \\ 2 & 8 \\ & \underline{8} \\ & 0 \end{array}$$

8 is dividable by 2. So the number 348 is divisible by 2 .

347

$$\begin{array}{r|l} & 3 \\ 2 & 7 \\ & \underline{6} \\ & 1 \end{array}$$

7 is not divisible by 2. So, the number 347 is not divisible by 2.

❖ Identify the numbers below as divisible by 2 or not divisible by 2 according to the digit in the ones place and write them in the relevant boxes.

48, 53, 87, 60, 68, 72,

78, 80, 81, 83,90,85,

98, 100,103, 107, 106,

200, 205, 210, 300,

348, 375, 400, 402, 500

Numbers divisible by 2

Numbers not divisible by 2

If the digit in the ones place of a number is 0 or 5, then that number is divisible by 5.

Ex : -

```
   15
5 | 75
  | 5
  ---
   25
   25
  ---
    0
```

```
   16
5 | 80
  | 5
  ---
   30
   30
  ---
    0
```

75 is divisible by 5 without a remainder. 80 is divisible by 5 without a remainder.

❖ Write whether the following numbers are divisible by 5 by considering the digit in the ones place.

1) 120 2) 105 3) 252 4) 343

If the digit in the ones pace of a number is 0, then that number is divisible by 10.

```
   10
10 | 100
   | 10
   ---
    00
    00
   ---
     0
```

```
   34
10 | 340
   | 30
   ---
    40
    40
   ---
     0
```

100 is divisible by 10 without a remainder. 340 is divisible by 10 without a remainder.

```
   12
10 | 125
   | 10
   ---
    25
    20
   ---
     5
```

125 is not divisible by 10 without a remainder.

Select and write the numbers that are divisible by 10 from the following numbers.

50, 65, 80, 87, 100, 90, 105, 110, 150, 99, 145, 120, 130, 200, 208

. Correctly complete the exercise 11.6 in the page 152 of the text book.

- Clearly understand the pages 153 and 154 of the text book.
- Complete the miscellaneous exercise in page number 154 and 155 as an additional practice.
- Clearly understand the summary in page 155 of the text book.

M/Sir