



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 14 TOPIC – TESTS OF DIVISIBILITY DATE – 22.04.2020

## 1. Find out whether the following numbers are divisible by 2:

**Divisibility rule by 2:** When the digit in the ones place of a number is zero (0) or an even digit, like 2, 4, 6 or 8, it is divisible by 2.

- a) 3810 - Digit in one's place is 0. Hence, 3810 is divisible by 2.
- b) 2637 - Digit in one's place is 7 which is not an even number. Hence, 2637 is not divisible by 2.
- c) 752 - Digit in one's place is 2 which is an even number. Hence, 752 is divisible by 2.
- d) 9928 - Digit in one's place is 8 which is an even number. Hence, 9928 is divisible by 2.
- e) 1539 - Digit in one's place is 9 which is not an even number. Hence, 1539 is not divisible by 2.

## 2. Find out whether the following numbers are divisible by 3:

**Divisibility rule by 3:** When the sum of the digits of a number is divisible by 3, the number is divisible by 3.

- a) 2357 - Sum of digits =  $2 + 3 + 5 + 7 = 17$  is not divisible by 3. Hence, 2357 is not divisible by 3.
- b) 5190 - Sum of digits =  $5 + 1 + 9 + 0 = 15$  is divisible by 3. Hence, 5190 is divisible by 3.
- c) 4324 - Sum of digits =  $4 + 3 + 2 + 4 = 13$  is not divisible by 3. Hence, 4324 is not divisible by 3.
- d) 6408 - Sum of digits =  $6 + 4 + 0 + 8 = 18$  is divisible by 3. Hence, 6408 is divisible by 3.
- e) 2340 - Sum of digits =  $2 + 3 + 4 + 0 = 9$  is divisible by 3. Hence, 2340 is divisible by 3.

## 3. Find out whether the following numbers are divisible by 5:

**Divisibility rule by 5:** When a number has 0 or 5 in ones place, it is divisible by 5.

- a) 3890 - Digit in one's place is 0. Hence, 3890 is divisible by 5.
- b) 5139 - Digit in one's place is 9. Hence, 5139 is not divisible by 5.
- c) 6435 - Digit in one's place is 5. Hence, 6435 is divisible by 5.
- d) 2640 - Digit in one's place is 0. Hence, 2640 is divisible by 5.
- e) 1575 - Digit in one's place is 5. Hence, 1575 is divisible by 5.

## 4. Find out whether the following numbers are divisible by 10:

**Divisibility rule by 10:** When a number has 0 in ones place, it is divisible by 10.

- a) 3456 - Digit in one's place is 6. Hence, 3456 is not divisible by 10.
- b) 240 - Digit in one's place is 0. Hence, 240 is divisible by 10.
- c) 5817 - Digit in one's place is 7. Hence, 5817 is not divisible by 10.
- d) 4720 - Digit in one's place is 0. Hence, 4720 is divisible by 10.
- e) 9810 - Digit in one's place is 0. Hence, 9810 is divisible by 10.