ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 13 TOPIC – MULTIPLES DATE – 21.04.2020

1. **Complete the following:**
   a) 40 = 8 x **5**
      40 is a multiple of 8
      40 is also a multiple of **5**.
   b) 24 = **6** x 4
      24 is a multiple of 6
      24 is also a multiple of **4**.
   c) 39 = **13** x 3
      39 is a multiple of **13**
      39 is also a multiple of **3**.
2. **Write six multiples for each of the following numbers:**
   a) 6 ⟶ **6, 12, 18, 24, 30, 36**
   b) 11 ⟶ **11, 22, 33, 44, 55, 66**
   c) 3 ⟶ **3, 6, 9, 12, 15, 18**
   d) 7 ⟶ **7, 14, 21, 28, 35, 42**
   e) 9 ⟶ **9, 18, 27, 36, 45, 54**
3. Check if 560 is a multiple of 14.

   Let us divide 560 by 14

```
      40
   ------
14 | 560
   -56
   ---
     0
```

   Ans. The remainder is 0.

   Thus, we can say that 560 is a multiple of 40.

4. Check if 7500 is a multiple of 35.

   Let us divide 7500 by 35

```
      214
   ------
35 | 7500
   -70
   ---
    50
   -35
   ---
    150
   -140
   ----
     10
```

   Ans. Since 7500 is not completely divisible by 35, it is not a multiple of 35.

5. Check if 684 is a multiple of 18.

Let us divide 684 by 18

$$
\begin{array}{r|l}
 & 38 \\
\hline
18 & 684 \\
 & -54 \\
\hline
 & 144 \\
 & -144 \\
\hline
 & 0
\end{array}
$$

Ans. The remainder is 0.

Thus, we can say that 684 is a multiple of 18.

6. Check if 9620 is a multiple of 52.

Let us divide 9620 by 52

$$
\begin{array}{r|l}
 & 185 \\
\hline
52 & 9620 \\
 & -52 \\
\hline
 & 442 \\
 & -416 \\
\hline
 & 260 \\
 & -260 \\
\hline
 & 0
\end{array}
$$

Ans. The remainder is 0.

Thus, we can say that 9620 is a multiple of 52.

7. Find the common multiples of 4 and 6 which are less than 30.

Multiples of 4 are – 4, 8, **12**, 16, 20, **24**, 28
Multiples of 6 are – 6, **12**, 18, **24**

Ans. The common multiples of 4 and 6 are **12 and 24.**

8. Find the common multiples of 5 and 10 which are less than 50.

Multiples of 5 are – 5, **10**, 15, **20**, 25, **30**, 35, **40**, 45
Multiples of 10 are – **10**, **20**, **30**, **40**

Ans. The common multiples of 5 and 10 are **10, 20, 30 and 40.**

9. Write the first six multiples of 15 and 20 and underline the common multiples.

Multiples of 15 are – 15, 30, 45, **60**, 75, 90
Multiples of 20 are – 20, 40, **60**, 80, 100, 120

Ans. The common multiple of 15 and 20 is **60.**

10. Write the first five multiples of each of the following:

a) Multiples of 100

100 ⟶ **100, 200, 300, 400, 500**

b) Multiples of 1000

1000 ⟶ **1000, 2000, 3000, 4000, 5000**

11. Find the L.C.M. by listing their multiples.

a) 3, 6

Multiples of 3 are – 3, **6**, 9, **12**, 15, 18
Multiples of 6 are – **6**, **12**, 18, 24, 30
The common multiples of 3 and 6 are 6 and 12.
So, the L.C.M. of 3 and 6 is **6.**

b) 4, 8, 12

Multiples of 4 are – 4, 8, 12, 16, 20, **24**
Multiples of 8 are – 8, 16, **24**, 32
Multiples of 12 are – 12, **24**, 36, 48

So, the L.C.M. of 4, 8 and 12 is **24**.

c) 13, 26

Multiples of 13 are – 13, **26**
Multiples of 26 are – **26**, 52

So, the L.C.M. of 13 and 26 is **26.**