Cosmo School

Class: 4
Subject : Mathematics
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Revision sheet

Multiples and Factors

1. **Fill in the blanks:**
   a) ---------- means highest common factor.
   b) ---------- means least common multiple.
   c) 2 is a ---------- number.
   d) 16 is not a ------ number.
   e) Numbers that are neither 1 nor prime numbers are called --------number.
   f) Factors are also called --------.

2. **True/False:**
   a) 5 is a prime number.
   b) Highest Common Factor is defined by L.C.M.
   c) The common multiples of 3 and 4 are 12,24,36.
   d) L.C.M. means least common multiple.
   e) 8 is a prime number.
   f) 14 is not a prime number.

3. **Answer to the following short questions:**
   a) What do you mean by H.C.F?
   b) What is the full form of L.C.M?
   c) What is the composite number?
   d) What do you mean by prime number?
   e) Write down prime number 2 up to 100.
   f) What do you mean by factors?

4. **Find out the multiples of the following:**
   (i) 3 (ii) 4 (iii) 7 (iv) 10

5. **Find out the common multiples (CM) of the following:**
   (i) 3 and 6 (ii) 2 and 4 (iii) 6 and 8
6. **Find out the least common multiples (L.C.M) of the following:**
   (i) 4 and 5 (ii) 4, 6 and 9 (iii) 4, 5 and 6

7. **Find out the common factor(CF) of the following:**
   (i) 4 and 15 (ii) 14 and 21

8. Find out highest common factor(H.C.F) of the following:

(i) 8, 16 and 20 (ii) 15,18 and 20

9. **Find out the composite numbers of the following:**
   (i) 8 (ii) 15 (iii) 9 (iv) 18

10. **<u>Word problem:</u>**

1. **There are two bells. Bell A rings every 9 minutes and bell B rings every 12 minutes. The bells ring together at noon. When is the next time they will ring together?**
2. **You have some rectangular size paper cards each with 14 cm length and 10 cm width. You can make square shape are by keeping them side by side. What will be length of the side of shortest possible square shape?**
3. **If we keep piling up the cookies boxes with the height of 3 cm and chocolate boxes with the height of 4cm separately. What does the height of both piled boxes become equal?**
4. **There are 45 mangoes and 18 lemons to Piku. Piku wants to distribute mangoes and lemons equally to maximum number of children without any remaining .Find the number of children. How many mangoes and lemons do each children get?**