Common Multiples Worksheet-4

1. Solve the riddle:

   "My grades in a math test is a
   multiple of 9 and 15
   and
   it lies between 120 to 150 marks.
   How much I scored?"

2. List down the first 5 common multiples of 12 and 30.

   _____, _____, _____, _____, _____

3. A florist wants to arrange flowers of Camellia, Peach blossom and Tickseed in rows of 12, 15 or 40 in her garden. What is the least number of each type of flower she needs to arrange?

4. Ronny goes cycling every 7th day and Sylvia goes cycling every 9th day. When will they go cycling on the same day?

5. Write 'True' or 'False' for the given statements.
   a) Least common multiple of any two prime numbers is always the product of the numbers.
   b) 2 is a common multiple of every even number.

6. Which of the following number is not a common multiple of 15 and 20?
   a) 60   b) 120   c) 40   d)180

7. In a class of 40 students, if every 4th student has participated in a drawing competition and every 6th student has participated in singing. How many students are participating in both the activities?

8. Write the smallest 3-digit number which is divisible by both 9 and 25.

9. Color all the common multiples of 6 and 10 in the grid given below:

1	11	21	31	41	51	61	71	81	91
2	12	22	32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17	27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

10. Find the largest 3 digit number divisible by 3, 6 and 8.

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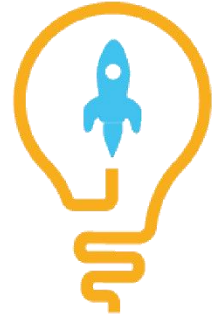
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ANSWERS

1)	135 marks
2)	60, 120, 180, 240, 300
3)	10, 8, 3
4)	63rd day
5)	a) True b) False
6)	c) 40
7)	3 students
8)	225
9)	30, 60, 90
10)	984

FUN FACT

1. Prime numbers have their product as the least common multiple.

2. There are infinite numbers of multiples of any given number.

3. The LCM or the least common multiple of a set of numbers is the smallest common multiple of those numbers.