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Factors and Multiples Worksheet-4

1. Solve the riddle:

"I am the smallest number,
having three different
prime factors.
Which number I am?"

2. List down the first 5 multiples of 12.

____, _____, _____, _____, _____

3. Find all the factors of 40.

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.

- There are no factors of any prime number.
- 2 is a common factor of every even number.

6. Which of the following number is not a factor of 150

- 25
- 12
- 30
- 15

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 in the form of its prime factors.
9. Color all the multiples of 7 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. 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?"

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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

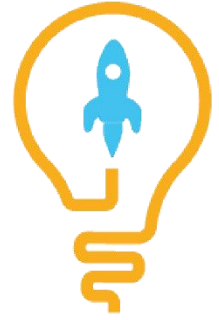
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	$2 \times 3 \times 5 = 30$
2)	12, 24, 36, 48, 60
3)	1, 2, 4, 5, 8, 10, 20, 40
4)	63 rd day
5)	a) False b) True
6)	b) 12
7)	3 students
8)	$100 = 2 \times 2 \times 5 \times 5$
9)	7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98
10)	135 marks

FUN FACT

1. Prime numbers have only two factors, 1 and that number itself.
2. There are infinite numbers of multiples of any given number.
3. All composite numbers have more than two factors.

