4th Grade Factors and Multiples Worksheets

1. List down the first 5 multiples of 12.

   _____

   _____

   _____

   _____

   _____

2. Find all the factors of 40.

3. Write 'True' or 'False' for the given statements.

   a) There are no factors of any prime number.

   b) 2 is a common factor of every even number.

4. Fill the given blank:

   4 × 17 = 68. Here 68 is the …………… of 4 and 17.

5. Write the smallest 3-digit number in the form of its prime factors.

6. 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

7. Given that the distance from point A to B is 88 miles. Find out all the possible values (in whole numbers) of speed and time required to cover the same distance.
   [Hint: Distance= Speed ×Time]
   a) Are all the values of speed and time factors of 88?
   b) Can we say that distance is a common multiple of speed and time?

8. 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?"

9. 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?

10.   Complete the table.

a) Any 5 common multiples of 7 and 14	
b) All the factors of 16	
c) 3 multiples of 12 between 100 to 200	
d) Prime factors of 35	

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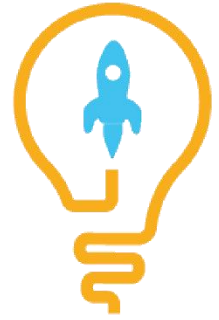
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ANSWERS

1)	12, 24, 36, 48, 60
2)	1, 2, 4, 5, 8, 10, 20, 40
3)	a) False b) True
4)	Multiple
5)	$100 = 2 \times 2 \times 5 \times 5$
6)	7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98
7)	$1 \times 88, 2 \times 44, 4 \times 22, 8 \times 11, 11 \times 8, 22 \times 4, 44 \times 2, 88 \times 1$ a) Yes b) Yes
8)	135 marks
9)	3 students
10)	a) 14, 28, 42, 56, 70 (Answers may vary) b) 1, 2, 4, 8, 16 c) 108, 120, 132 (answers may vary) d) 5×7

FUN FACT

1. Every number is the largest factor and the smallest multiple of itself.

2. **Factors** are always whole numbers or integers and never decimals or fractions.

3. All numbers that end with 0 will have 10 as their **factor**.