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## Lowest Common Multiple Worksheets

- 1) What is the LCM of 2, 4, 8, 16, 64, and 128?
- 2) Find the lowest common multiple of 57 and 95.
- 3) What is the lowest number which is exactly divisible by 5 and 15?
- 4) There are tiles of two sizes 4.2 square feet and 5.6 square feet. What should be the minimum floor area which can be built using any of these two tiles?



- 5) Two different floors have area measures of 800 square feet and 1200 square feet. What is the minimum area which can be built, which can have any of these two measures of floor area?
- 6) A teacher conducts a test, a project assignment, and a reading exercise after intervals of 5 days, 8 days, and 12 days respectively. From the beginning of the academic year, after how many days do all the three class activities fall on the same day?

- 7) The lowest number which leaves 5 as remainder when divided by 50, 100, and 150 is \_\_\_\_\_.
- 8) William will jog every 2 days, will run every 3 days and will exercise every 5 days. If today he does all the three activities, after how many days he will do all the three activities in a single day?



- 9) If the lowest common multiple between  $k^2$  and  $k$  is 81, find the value of  $k^3 - k$ .
- 10) A number  $m$  is the largest 3-digit number divisible by 6. Find the value of  $m$ .

When you learn math  
in an interesting way,  
you never forget.



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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- 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)	128
2)	285
3)	15
4)	16.8 square feet
5)	24,000 square feet
6)	120 days

7)	305
8)	30
9)	720
10)	996

## FUN FACT

1. The LCM or the least common multiple of a set of numbers is the smallest common multiple of those numbers.
2. There are infinite multiples between a set of numbers, the smallest one is the LCM.
3. For any two numbers  $a$  and  $b$ , with no common factors,  $a \times b$  is the LCM.

