

# Least Common Multiple

Find the LCM of each set of numbers.

- |                  |                 |                   |
|------------------|-----------------|-------------------|
| 1. 15, 20 _____  | 2. 4, 50 _____  | 3. 8, 12 _____    |
| 4. 14, 42 _____  | 5. 21, 30 _____ | 6. 3, 7, 10 _____ |
| 7. 6, 7, 8 _____ | 8. 16, 20 _____ | 9. 12, 16 _____   |

10. At what times of the day between 10:00 A.M. and 5:00 P.M. do the chemistry presentation and the recycling presentation start at the same time?

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<b>Science Museum</b>
— Show Schedule —
Chemistry — Every 30 minutes
Electricity — Every 20 minutes
Recycling — Every 40 minutes
Fossils — Every 45 minutes
The first showing for all shows is at 10:00 A.M.

11. The museum does shows in schools every Monday and shows in public libraries every fifth day (on both weekdays and weekends). If the museum did both a school show and a library show on Monday, how many days will it be until it does both shows on the same day again?

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## Test Prep

12. Which of the following pairs of numbers is correctly listed with its LCM?

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|---------------------------|---------------------------|
| <b>A.</b> 5, 15; LCM: 30  | <b>B.</b> 20, 30; LCM: 60 |
| <b>C.</b> 24, 36; LCM: 12 | <b>D.</b> 7, 9; LCM: 21   |

13. **Writing in Math** What method would you use to find the LCM of a group of four numbers? Explain and give an example.

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