

## GCF and LCM | Word Problems

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- 1) Elwyn is packing food for a family picnic. He has prepared 15 sandwiches and 30 corn dogs. He wants everyone to have an identical number of sandwiches and corn dogs and with nothing leftover. How many members, at the maximum, can be served?

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- 2) Three trains stop at a station at 12:30 p.m. The trains stop every 18 minutes, 8 minutes, and 24 minutes respectively. When would the three trains stop together at a station again?

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- 3) Sandra, Tiffany, and Geffrey have \$42, \$56, and \$63 respectively in their piggy banks. They decided to take out all the money to buy some notebooks. What will possibly be the maximum cost of a notebook if the notebooks are equally priced?

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- 4) Jupiter takes 12 Earth years to orbit the Sun, and Uranus takes 84 Earth years to complete one revolution around the Sun. If both the planets are aligned in a straight line tonight, how many years will it be until they are aligned in the same position again? (The orbital periods are rounded.)

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- 5) There are 12 boys and 18 girls lining up in rows. How many rows of equal numbers can they possibly line up in?

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