

## GCF and LCM - Word Problems

- 1) A high-flying event manager, Laura organizes an event every 2 days. A small-time event organizer, Kevin hosts an event per week. If both Laura and Kevin are organizing events today, how long will it be until the two operate on projects on the same day again?

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- 2) Brian builds a doghouse for his pet. He cuts a long wooden log into two pieces of lengths 48 inches and 72 inches. If he then cuts them into wooden planks of equal length, what is the length of each plank?

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- 3) Scott owns an animal farm with horses and rabbits. He has to feed the horses and rabbits every 2 hours. If Scott feeds both the horses and rabbits at the same time again?

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- 4) It's Mona's birthday and she has 100 pencils. She wants to distribute to her classmates in several pencil cases. How many classmates can she give pencils to, and 42 sharpeners per case. How many sharpeners will she need?

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- 5) The Ferris wheel at an amusement park runs every 30 minutes, and the roller coaster operates every 25 minutes. If the two rides are running now, how many hours will it take for them to be running together at the same time again?

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**GCF and LCM - Word Problems**

- 1) A high-flying event manager, Laura organizes an event every 2 days. A small-time event organizer, Kevin hosts an event per week. If both Laura and Kevin are organizing events today, how long will it be until the two operate on projects on the same day again?

**14 days**

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- 2) Brian builds a doghouse for his pet. He cuts a long wooden log into two pieces of lengths 48 inches and 72 inches. If he then cuts them into wooden planks of equal length, what is the length of each plank?

**24**

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- 3) Scott owns an animal farm with horses and rabbits. He has to feed the horses and rabbits every 8 hours. If Scott feeds both the horses and rabbits at the same time again?

**8: 00 am the next day**

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- 4) It's Mona's birthday and she has 42 sharpeners. She wants to distribute to her classmates in several pencil cases. How many classmates can she give them?

**21 classmates**

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- 5) The Ferris wheel at an amusement park runs every 30 minutes, and the roller coaster operates every 25 minutes. If the two rides are running now, how many hours will it take for them to be running together at the same time again?

**$2\frac{1}{2}$  hours (150 minutes)**

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