

# GCF and LCM Word Problems

- ① Noah attends swimming class every 7 days, karate class every 14 days, and dance class every 21 days. If he attends all three classes on 1st April, when will he do all the classes again?
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- ② Lucas has 15 sunflowers, 33 lilies, and 24 daisies. He wishes to create flower baskets with an equal quantity of flowers in each basket.

a) What is the maximum number of flower baskets he can make?

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b) What quantity of each flower variety will be included in each basket?

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- ③ Two smart light bulbs are switched on at the same time. If one lights every 10 minutes and the other every 16 minutes, when will they light together?
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- ④ Simon packs 10 sandwiches, 20 pastries, and 30 juice cans into different containers. He must pack one item in each container with the same quantity for all three items. What is the maximum quantity of the items he packs in a container?
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# GCF and LCM Word Problems

## Answers

- ① Noah attends swimming class every 7 days, karate class every 14 days, and dance class every 21 days. If he attends all three classes on 1st April, when will he do all the classes again?

13<sup>th</sup> May

- ② Lucas has 15 sunflowers, 33 lilies, and 24 daisies. He wishes to create flower baskets with an equal quantity of flowers in each basket.

a) What is the maximum number of flower baskets he can make?

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b) What quantity of each flower variety will be included in each basket?

5 sunflowers, 11 lilies, 8 daisies

- ③ Two smart light bulbs are switched on at the same time. If one lights every 10 minutes and the other every 16 minutes, when will they light together?

After 80 minutes

- ④ Simon packs 10 sandwiches, 20 pastries, and 30 juice cans into different containers. He must pack one item in each container with the same quantity for all three items. What is the maximum quantity of the items he packs in a container?

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