

# Greatest Common Factor

## Word Problems

- ① Noah's fridge has 6 oatmeal cookies and 15 chocolate chip cookies. He wants to put those cookies in identical containers so every container will have the same number of each kind. What is the greatest number of containers that he will need?
- \_\_\_\_\_
- ② 48 girls and 60 boys are interested in participating in the sports day. If all the teams must have the same number of girls and boys, what is the maximum number of players that can form each team?
- \_\_\_\_\_
- ③ Thomas has collected 27 pairs of jeans and 45 shirts of his favorite brand. He wants to combine a pair of jeans and a shirt to make a set to sell. What is the greatest number of such sets he can make, with no leftover pieces?
- \_\_\_\_\_
- ④ For birthday celebrations, Annie arranges balloon setups with 36 maroon, 20 white, and 16 orange balloons in total. What is the maximum number of such arrangements she can make with an equal amount of each colored balloon?
- \_\_\_\_\_

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### Answers

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