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## GCF Worksheets 6<sup>th</sup> grade

1) Find the greatest common factor of 30 and 35 .

Factors of 30: \_\_\_\_\_

Factors of 35: \_\_\_\_\_

Greatest common factor: \_\_\_\_\_

2) Find the greatest common factor of 38 and 32 .

Factors of 38: \_\_\_\_\_

Factors of 32: \_\_\_\_\_

Greatest common factor: \_\_\_\_\_

3) Find the greatest common factor of 10 and 24 .

Factors of 10: \_\_\_\_\_

Factors of 24: \_\_\_\_\_

Greatest common factor: \_\_\_\_\_

4) Find the highest common factor of 24 and 11 .

Factors of 24: \_\_\_\_\_

Factors of 11: \_\_\_\_\_

Highest common factor is: \_\_\_\_\_

Find the GCF of following set of numbers:

Sr. No.	Set of numbers	GCF
5)	24, 60	-----
6)	20, 48	-----
7)	40, 85, 105	-----
8)	30, 84, 126	-----

9. Samantha is making burgers for the school picnic. She has 120 turkey slices, 60 cheese slices, and 40 tomato slices. What is the greatest number of burgers she can make if each sandwich has the same filling?

10. A fruit salad requires chunks of watermelon and kiwi. What is the greatest number of servings you can make using all of the fruit if you have 80 chunks of watermelon and 240 chunks of kiwi?

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in an interesting way,  
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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1. 5	6. 4
2. 2	7. 5
3. 2	8. 6
4. 1	9. 20 burgers
5. 12	10. 80 servings

## FUN FACT

You use GCF in everyday life:

- 1) To split things into smaller sections.
- 2) To equally distribute 2 or more sets of items into their largest grouping.
- 3) To arrange something into rows or groups.

