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

1) Find the greatest common factor of 20 and 45.

Factors of 20: \_\_\_\_\_

Factors of 45: \_\_\_\_\_

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

2) Find the greatest common factor of 18 and 22.

Factors of 18: \_\_\_\_\_

Factors of 22: \_\_\_\_\_

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

3) Find the greatest common factor of 35 and 70.

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

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

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

4) Find the highest common factor of 13 and 14.

Factors of 13: \_\_\_\_\_

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

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

Find the GCF of following set of numbers:

Sr. No.	Set of numbers	GCF
5)	4, 8, 24	-----
6)	10, 16, 21	-----
7)	21, 42, 63	-----
8)	360, 160, 40	-----

9. Jack has 72 pairs of earphones and 12 music players. Jack wishes to sell all of the earphones and music players in identical packages. What is the greatest number of packages Jack can make?

10. Gina wants to cut two ribbons into pieces of equal length without remainder. One ribbon has a length of 63 inches and another has a length of 42 inches. Find the greatest possible length that the pieces can be cut.

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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. 1
2. 2	7. 21
3. 35	8. 40
4. 1	9. 12 packages
5. 4	10. 21 inches

## 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.

