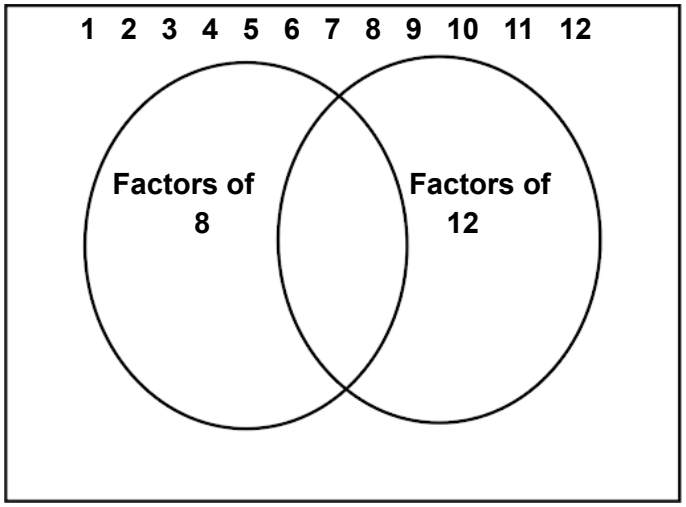
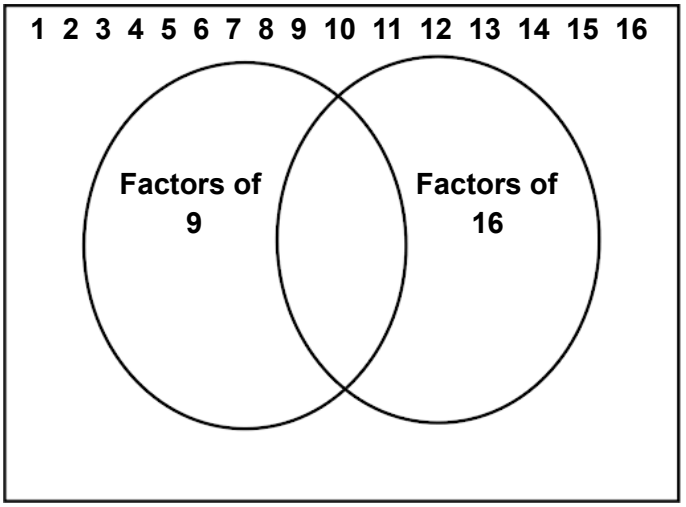
LCM and GCF Worksheet

Use the Venn Diagrams below to find the greatest common factor (GCF) of the two numbers, then find the lowest common multiple (LCM) of the two numbers. **Circle your answer!**



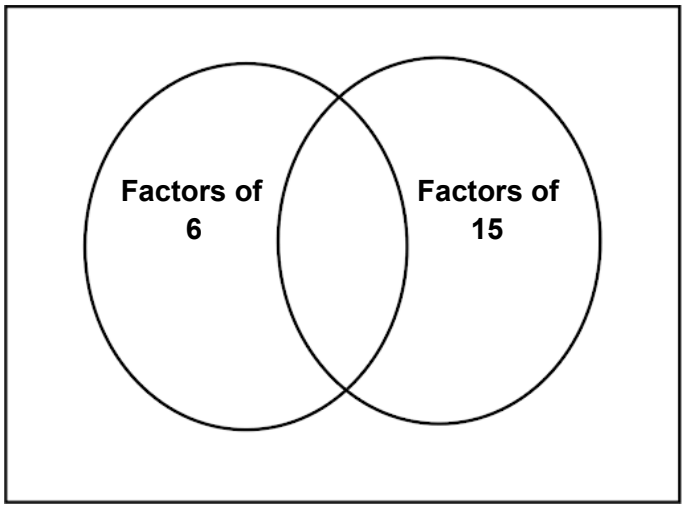
LCM:
8:

12:



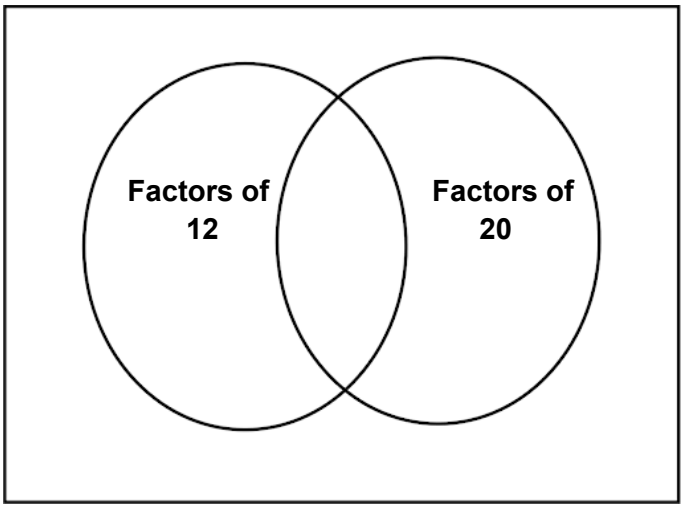
LCM:
9:

16:



LCM:
6:

15:



LCM:
12:

20:

Find the LCM and the GCF of the pairs listed below. Use a strategy of your choice.

5 and 12

LCM =_____

GCF = _____

8 and 9

LCM =_____

GCF =_____

7 and 10

LCM =_____

GCF =_____

3 and 6

LCM =_____

GCF =_____

Extension Questions:

1. Joe visits the library every 4th day, starting on the 4th of the month, and swims every 6th day of the month, starting on the 6th.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

   a) When will he swim and go to the library on the same day?

   b) How many times in a month will Joe visit the library and the swimming pool on the same day?

2. There are 56 girls and 42 boys at a team event. The organizers want to put the same number of girls on each team and the same number of boys on each team. All the children need to be on a team.

   a) What is the greatest number of teams the organizers can make?

   b) What are all the possible ways of creating teams with 56 girls and 42 boys?