Name: _____

Mathematics

Greatest Common Factor (GCF/HCF)

Definition

Greatest Common Factor (GCF)	**The greatest number that can divide two other numbers evenly. The GCF can be used to find a fraction in simplest form.**

GCF Example

Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24

Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36

Common factors in red.

GCF: 12

A. List the **factors** these numbers. Write them in order from ***least to greatest***.

a) 21 = _____, _____, _____ _____

b) 31 = _____, _____

c) 49 = _____, _____, _____

d) 16 = _____, _____, _____, _____, _____

e) 33 = _____, _____, _____, _____

f) 20 = _____, _____, _____, _____, _____, _____

g) 17 = _____, _____

h) 4 = _____, _____, _____

i) 56 = _____, _____, _____, _____, _____, _____,

_____, _____

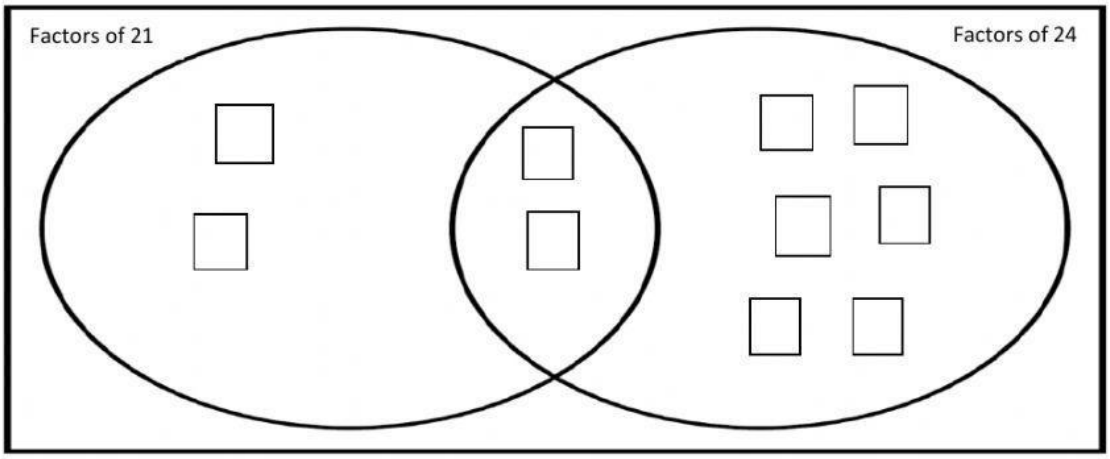
LIVEWORKSHEETS

B. Find the **GCF** of these of numbers.

8 and 12 GCF = _____	15 and 20 GCF = _____
21 and 35 GCF = _____	33 and 11 GCF = _____
25 and 30 GCF = _____	6 and 18 GCF = _____

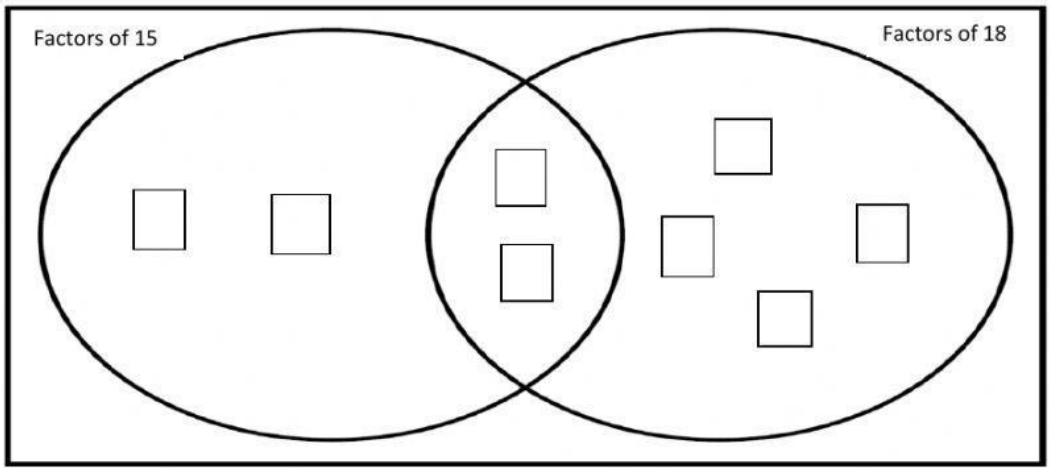
C. Complete the **Venn diagram**.

1	2	3	4	6	7	8	12	21	24



D. Complete the **Venn diagram**.

1	2	3	5	6	9	15	18



LIVEWORKSHEETS