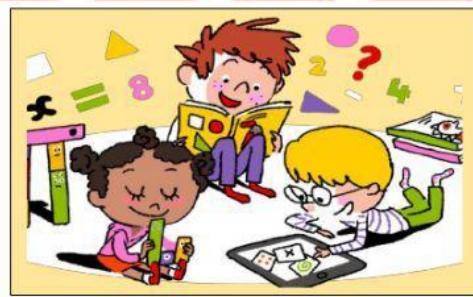


Name: _____

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) $56 =$ _____, _____, _____, _____, _____, _____,

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

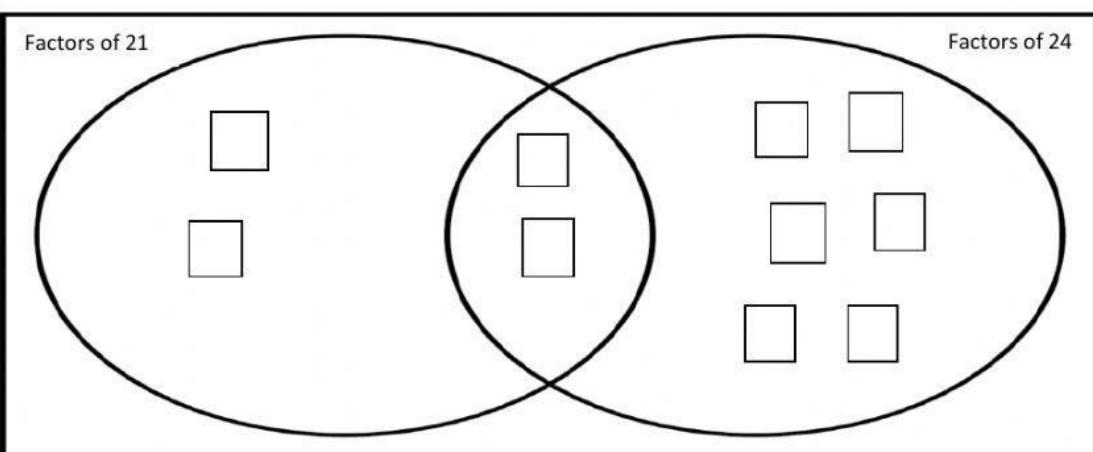
GCF = _____

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

