GCF & LCM

Gecko **C**aught **F**rogs to **R**ide

Use **GCF** to *Reduce* Fractions

Lily **C**aught **M**ice **a**t **S**ubway

Use **LCM** to **A**dd & **S**ub Fractions

GCF

1) What is the **greatest common factor (GCF)** of **5** and **20**?

5: 1, 5   5 has two factors

20: 1, 2, 4, 5, 10, 20   20 has six factors

Common factors: 1, 5

GCF: **5**

2) What is the **greatest common factor** (**GCF**) of **12** and **30**?

12: 1, 2, 3, 4, 6, 12   12 has six factors

30: 1, 2, 3, 5, 6, 15, 30   30 has seven factors

Common factors: 1, 2, 3, 6

GCF: **6**

LCM

1) What is the **least common multiple (LCM)** of **4** and **10**?

4: 4, 8, 12, 16, 20…

10: 10, 20…

LCM: **20**

2) What is the **least common multiple (LCM)** of **6** and **15**?

6: 6, 12, 18, 24, 30…

15: 15, 30…

LCM: **30**

Sometimes you can get the LCM of two numbers by multiplying them together. Sometimes you can't, as the example above shows.