

T-MF Math Fundamentals

Week 29 4/23

1.) 2.41×8.78

$$\begin{array}{r} 2.41 \\ \times 8.78 \\ \hline \end{array}$$

$$\begin{array}{r} 11878 \\ 13520 \leftarrow 1 \\ + 175600 \leftarrow 2 \\ \hline 211598 \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$$

move 4 places

21.1598

2.) $34.85 - 29.9$

$$\begin{array}{r} 34.85 \\ - 29.90 \\ \hline 4.95 \end{array}$$

4.95

3.) $27.44 \div 0.98$

No decimals!

$$\begin{array}{r} 0.98 \overline{) 27.44} \\ \underline{98} \\ 2744 \\ \underline{196} \\ 784 \\ \underline{784} \\ 0 \end{array}$$

28

$784 \div 98 = 8$

4.) $84.49 + 56.208$

$$\begin{array}{r} 84.490 \\ + 56.208 \\ \hline 140.698 \end{array}$$

140.698

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

$$\begin{array}{l} \underline{4} * \underline{6} = 24 \\ \underline{3} * \underline{8} = 24 \\ \underline{2} * \underline{12} = 24 \\ \underline{1} * \underline{24} = 24 \end{array}$$

Greatest Common Factor (GCF)

24, 30

6

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

30: 1, 2, 3, 5, 6, 10, 15, 30

$$\underline{5} * \underline{6} = 30$$

$$\underline{3} * \underline{10} = 30$$

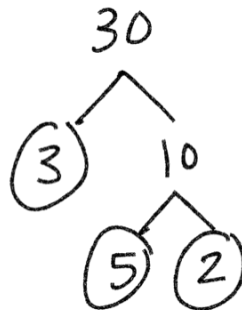
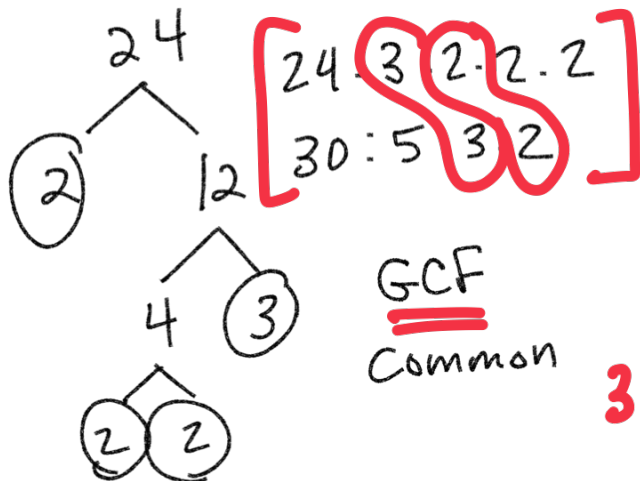
$$\underline{2} * \underline{15} = 30$$

$$\underline{1} * \underline{30} = 30$$

Prime Number: A number without any factors other than itself and 1.

Prime Factorization

Prime: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, ...



$$3 * 2 = \mathbf{6}$$

Factors of 20

$$\underline{4} * \underline{5} = 20$$

$$\underline{2} * \underline{10} = 20$$

$$\underline{1} * \underline{20} = 20$$

Factors of 32

$$\underline{4} * \underline{8} = 32$$

$$\underline{2} * \underline{16} = 32$$

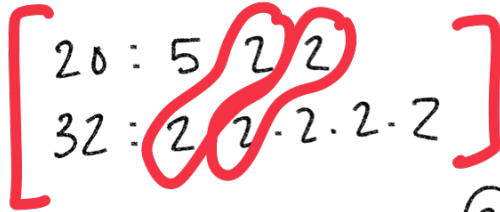
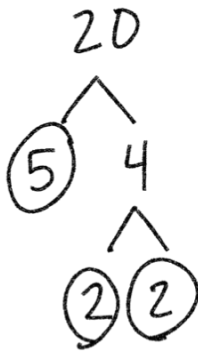
$$\underline{1} * \underline{32} = 32$$

Find Greatest Common Factor

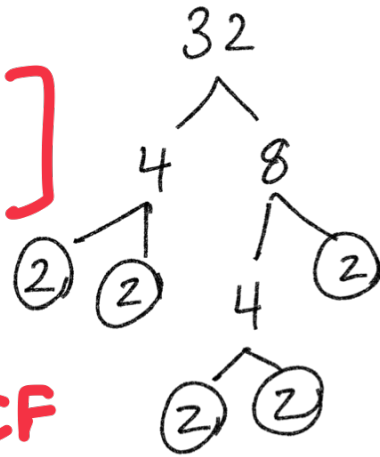
4

20: 1, 2, 4, 5, 10, 20

32: 1, 2, 4, 8, 16, 32



2 * 2 = 4 GCF



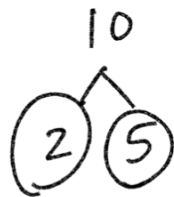
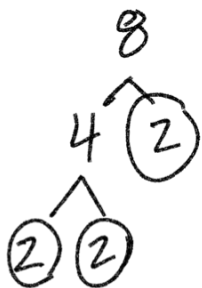
Lowest/Least Common Multiple (LCM)

8, 10

LCM = 40

Multiples of 8: 8, 16, 24, 32, 40, 48, 56, 64...

Multiples of 10: 10, 20, 30, 40, 50, 60, 70...



8: 2 * 2 * 2
10: 5 * 2

LCM **2 * 2 * 2 * 5**
40

- 1.) Primes
- 2.) Thanos pairs

