

Instructions: This is a **non-calculator** quiz. You must show all work to receive credit. Perform the indicated operations.

1.
$$\begin{array}{r} 43,389 \\ +82,594 \\ \hline \end{array}$$

$125,983$

2.
$$\begin{array}{r} 82,594 \\ -43,389 \\ \hline \end{array}$$

$39,205$

3.
$$\begin{array}{r} 632 \\ \times 75 \\ \hline \end{array}$$

$$\begin{array}{r} 3160 \\ 4424 \\ \hline \end{array}$$

$47,400$

4. $78,621 \div 12 =$

$$\begin{array}{r} 6551 \text{ R } 9 \\ 12 \overline{) 78,621} \\ \underline{-72} \\ 66 \\ \underline{-60} \\ 62 \\ \underline{60} \\ 21 \\ \underline{12} \\ 9 \end{array}$$

5. $7 + (3^2 + 2^2) \times 2(5^2) - 2^5 \div 4 + 1 = 650$

$7 + (9 + 4) \times 2(25) - 32 \div 4 + 1$

$7 + 13 \times 50 - 8 + 1 = 7 - 8 + 1 + 650 = 650$

48, 1, 2, 24, 4, 12, 3, 16, 8, 6

6. a. Find the Greatest Common Factor of 48 and 116.

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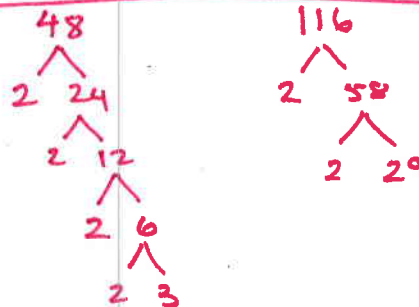
b. Find the Least Common Multiple of 12 and 21.

12, 24, 36, 48, 60, 72, 84, ...

21, 42, 63, 84, ...

84

1, 116, 2, 58, 4, 29



$12 = 2 \cdot 2 \cdot 3$

$21 = 3 \cdot 7$

$LCM = 3 \times (2 \cdot 2) \cdot (7) =$

84