Part 1 : Find the sum of the two numbers in each problem, show all work

Example :

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ \ } \\ 448 \\ +\ 188 \\ \hline 636 \end{array}$$

1) 652
+ 345
_____

2) 203
+ 525
_____

3) 726
+ 268
_____

Part 2 : Find the between the two numbers in each problem, show all work

Example :

$$\begin{array}{r} {\scriptstyle \ \ \ 3\ 13} \\ 7\ \cancel{4}\ \ \cancel{8} \\ 2\ \ 1\ \ 8 \\ -\ \_\_\_\_\_ \\ 5\ \ 2\ \ 5 \end{array}$$

1) 407
- 198
_____

2) 7,007
- 2,426
_____

3) 72.63
- 58.21
_____

Part 4 : Find the Product of the two numbers in each problem

$$\begin{array}{r} 54 \\ \times\ 16 \\ \hline 324 \\ +540 \\ \hline 864 \end{array}$$

Example :

1) 65
x 4
_____

2) 5.1
x 2
_____

3) .108
x 2.5
_____

Part 5 : Find the quotient the two numbers in each problem, show all work

Decimal Division:
If the divisor (outside number) is a decimal, you must move the decimal point (using multiplication) to the right until it becomes a whole number. Then, move the decimal in the dividend (inside number) the same number of times. Divide to find your answer (quotient). Then, move the decimal straight up from the dividend to the quotient. Remember, no remainders.

$$\begin{array}{r} quotient \\ divisor\overline{)\,dividend} \end{array}$$

1) $3\overline{)\,31.8}$

2 $43\overline{)\,2815}$

3) $7\overline{)\,591}$

Part 6 : Solve the following expression by writing the expanded notation (repeated addition) and finding the value

Exponents

A way to show repeated multiplication by the same factor is to use an exponent. In this example: $2^3 = 2 \times 2 \times 2 = 8$. The small raised three is the exponent. It tells how many times the number 2, called the base, is multiplied by itself.

1. 6^2

2. 2^6

3. 3^4

4. eight squared

5. five cubed

Part 7 : List all the factors for each number. Circle the common factors.

Greatest Common Factor

The greatest factor that two or more numbers have in common (GCF).

1. List all the factors of **four** in order
2. List all the factors of **twenty** in order
3. List the common factors
4. Write the greatest common factor

Finding Common Factors:

4: 1, 2, 4

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

Common Factors: 1, 2, 4 GCF= 4

18 : _____

30 : _____

Common Factors: _____ Greatest Common Factor: _____

60 : _____

45 : _____

Common Factors: _____ Greatest Common Factor: _____

23: _____

29: _____

Common Factors: _____ Greatest Common Factor: _____

56: _____

72: _____

Part 8 : Simplify the following fractions. If the fraction is improper, change them to mixed numbers then simplify

Example : $\frac{10 \div 5}{25 \div 5} = \frac{2}{5}$

$\frac{34}{48}$

$\frac{14}{28}$

$\frac{15}{55}$

$\frac{17}{4}$

Part 9 : Multiply the following fractions. Multiply the numerators , then multiply the denominator. Simplify if necessary.
Example :

$$\frac{3}{5} \times \frac{5}{9} = \frac{15}{45} = \frac{1}{3}$$

$\frac{3}{4} \times \frac{1}{3} =$

$\frac{2}{3} \times \frac{5}{8} =$

$\frac{1}{3} \times \frac{2}{5} =$

Part 10:

You are having a beach day with your 4 friends. In order to make preparations you create a shopping list.

Shopping List	*Shopping List continued:*
Bathing Suit : 25.63$ Sunscreen : 13.75$ Bug spray : 12.18$ Sandals/ swimming shoes : 12$	Water: 3.75$ Chips 1.75$ Candy : 2.00$ Lunch : 65.35$ ***for all 5 of you, hmm, how much is your share?***

If you were given $70 by your parents , do you have enough money for all of your items? If not, how much more would you need? Show all work below.