



Factors, Multiples, Prime and Square Numbers Homework (1)



List All of the Factors for each number.

1) 22 _____

2) 36 _____

3) 26 _____

4) 46 _____

5) 49 _____

Find the Least Common Multiple for each number pair.

1) 5 , 4 _____

2) 3 , 2 _____

3) 12 , 2 _____

4) 24 , 6 _____

5) 30 , 20 _____

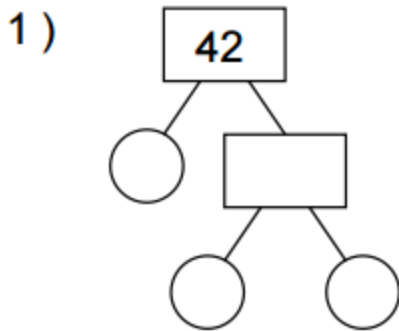




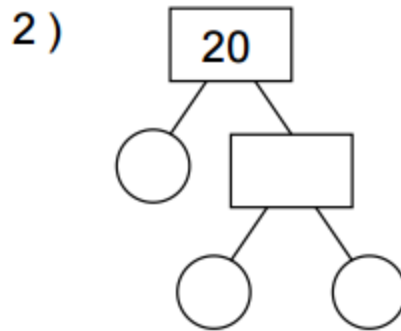
Factors, Multiples, Prime and Square Numbers Homework (2)



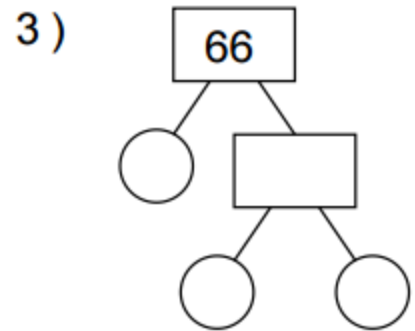
Find the Prime Factors of the Numbers



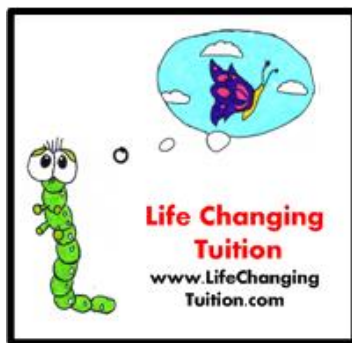
Prime Factors
_ x _ x _ = 42



Prime Factors
_ x _ x _ = 20



Prime Factors
_ x _ x _ = 66



Fill up the table on the right



Divisible by?	The trick!
2	
3	
4	
5	
6	
8	last 3 digits ÷ 8?
9	
10	



Factors, Multiples, Prime and Square Numbers Homework (3)



Here is a list of eight numbers.

5 6 12 20 25 26 28 33

(a) From the list, write down

(i) a square number,

.....

(ii) a number that is a multiple of 7,

.....

(iii) **two** numbers that are factors of 40,

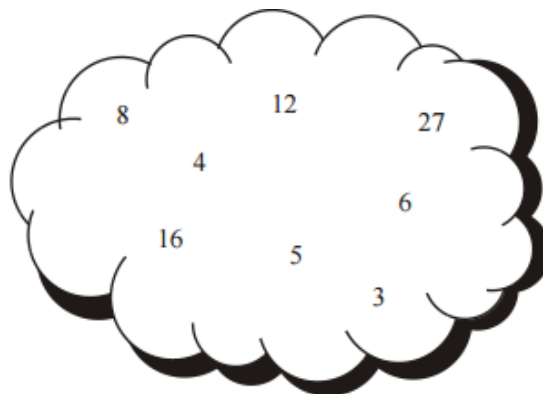
..... and

(iv) **two** numbers with a sum of 59.

..... and

(b) Tony says that “6 is a cube number because $2^3 = 6$ ”.
Tony is wrong. Explain why.

.....



Using only the numbers in the cloud, write down

(i) all the multiples of 6,

.....

(ii) all the square numbers,

.....

(iii) all the factors of 12,

.....

(iv) all the cube numbers.

.....