NUMBER RIDDLES 5A

Select the correct answer from a choice of 8 possibilities.

1) I am not a prime number.

One of my factors is 3.

I am more than 8^2.

I am one away from a multiple of 7.

Who am I?

78	86	93	67
57	82	71	98

2) I am less than half of 27.

If you multiply me by 10, I become a whole number.

The difference between me and the number 10 is less than 3.

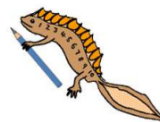If you round me to the nearest whole number, I round up not down.

Who am I?

13.8	8.4	17.25	9.3
5.37	6.9	4.81	12.6

THE FIVE PRIMES PROBLEM

Newton chose five different prime numbers. The largest of his prime numbers was 29.

He added them altogether.

The answer came to 50. Which primes did he add?

Captain also chose five different prime numbers. The largest of his prime numbers was also 29.

He added them together and the answer came to 60.

Which primes did he add?

There are 3 possible answers. How many can you find?

Remember: a prime number is a number with exactly two factors: 1 and itself!

Answers

1) I am not a prime number.

One of my factors is 3.

I am more than 8^2.

I am one away from a multiple of 7.

Who am I?

I am less than half of 27.

If you multiply me by 10, I become a whole number.

The difference between me and the number 10 is less than 3.

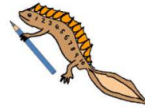If you round me to the nearest whole number, I round up not down.

Who am I?

(78)	86	93	67
57	82	71	98

13.8	8.4	17.25	9.3
5.37	6.9	4.81	(12.6)

THE FIVE PRIMES PROBLEM ANSWERS

Newton chose five different prime numbers. The largest of the prime numbers was 29.

He added them altogether.

The answer came to 50. Which primes did he add?

- *List of prime numbers to 29*

2	3	5	7	11	13	17	19	23	29

- Answer

2	3	5	11	29

Captain chose four different prime numbers. The largest of his prime numbers was also 29. He added them together and the answer came to 60.

Which primes did he add?

There are 3 possible answers. How many can you find?

- Answer

2	3	7	19	29
2	5	7	17	29
2	5	11	13	29