

July 27th

The sum of five numbers is 331.

The second number is three times the first.

The third number is six less than the second.

The fourth number is equal to the sum of the first two numbers.

The fifth number is 150.

$$1^{\text{st}} \text{ number} = n$$

$$2^{\text{nd}} \text{ number} = 3n$$

$$3^{\text{rd}} \text{ number} = 3n - 6$$

$$4^{\text{th}} \text{ number} = 4n$$

$$5^{\text{th}} \text{ number} = 150$$

Therefore

$$n + 3n + 3n - 6 + 4n + 150 = 331$$

$$11n = 187$$

Hence

$$n = 17$$

Therefore the numbers are:

17, 51, 45, 68, 150