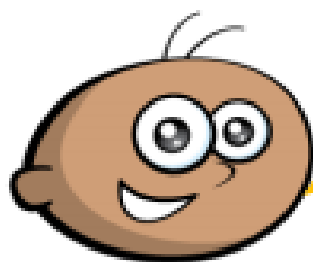


Tommy says



The greater the number, the more factors it will have.

Is Tommy correct?

Use arrays to explain your answer.

Some numbers are equal to the sum of all their factors (not including the number itself).

e.g. 6

6 has 4 factors, 1, 2, 3 and 6

Add up all the factors not including 6 itself.

$$1 + 2 + 3 = 6$$

6 is equal to the sum of its factors (not including the number itself)

How many other numbers can you find that are equal to the sum of their factors?

Which numbers are less than the sum of their factors?

Which numbers are greater than the sum of their factors?