Find the factors of these numbers:

10= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

15= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3= \_\_\_\_\_, \_\_\_\_\_,

20= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

18= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

25= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

27= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

12= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Now try these (I haven’t told you how many factors there are).

21= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

31= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

49= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the factors of these numbers:

18= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

25= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

27= \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Now try these (I haven’t told you how many factors there are).

42=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

56= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

64=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

40= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the factors of these numbers.

What do you notice about these numbers? Write your answer here:

23=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

47=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List all the factors of

1. 12
2. 20
3. 17
4. 28
5. 112
6. 64
7. 81

List the factors of

1. 7
2. 11
3. 17
4. 23
5. 47

What do you notice about these numbers?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the maths dictionary to find out what these numbers are called. P \_\_ \_\_ \_\_ \_\_ N \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

Find the highest common factor (HCF) of the following sets of numbers. Common factors are factors that appear for both numbers.

1. 12 and 18 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 24 and 30 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 40 and 120 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 15, 30 and 45 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_