Writing statements about multiples and factors - answers

1. Decide whether a number is a factor or multiple of another. The answers are in **bold**.

4	is a	**factor**	of	8
16	is a	**multiple**	of	4
3	is a	**factor**	of	12
5	is a	**factor**	of	15
24	is a	**multiple**	of	6
4	is a	**factor**	of	24

2. Using the numbers below:

   a. Write **one** statement about factors like the examples in the table above.
   b. Write **one** statement about multiples like the examples in the table above.

   Select from these numbers:

   3, 5, 6, 7, 11, 12, 14, 15, 17

   a. **You could have written:** 3 is a factor of 12, 3 is a factor of 15, 5 is a factor of 15, 6 is a factor of 12, 7 is a factor of 14.

   b. **You could have written:** 12 is a multiple of 3, 15 is a multiple of 3, 15 is a multiple of 5, 12 is a multiple of 6, 14 is a multiple of 7

   NOTE: 17 has no factors except 1 and 17.

3. Write your own statement about factors, with numbers that **you** choose.

   There are many possible answers to this.

   If you wrote 4 is a factor of 12, you could check by dividing 12 by 4 (on a calculator) to see if the answer is a whole number. 12 ÷ 4 = 3, a whole number, so 4 **is** a factor of 12.

   If you wrote 3 is a factor of 16, you could check by dividing 16 by 3 (on a calculator) to see if the answer is a whole number. 16 ÷ 3 = 5.33333…, not a whole number so 3 **is not** a factor of 16.

4. Write your own statement about multiples, with numbers that you choose.

   There are many possible answers to this.

   If you wrote 10 is a multiple of 2, you could check by dividing 10 by 2 (on a calculator) to see if the answer is a whole number. 10 ÷ 2 = 5, a whole number so 10 is a multiple of 2.