Multiples Worksheets

1. For each of the following, time yourself for 1 minute. See how many multiples you can write.

   a. Write the multiples of 5 starting from 100.

   b. Write the multiples of 4 starting from 20.

   c. Write the multiples of 6 starting from 36.

2. List the numbers that have 24 as a multiple.

3. Use mental math, division, or the associative property to solve. (Use scratch paper if you like.)

   a. Is 12 a multiple of 4? _____ Is 4 a factor of 12? _____

   b. Is 42 a multiple of 8? _____ Is 8 a factor of 42? _____

   c. Is 84 a multiple of 6? _____ Is 6 a factor of 84? _____

4. Can a prime number be a multiple of any other number except itself? Explain why or why not.

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1. For each of the following, time yourself for 1 minute. See how many multiples you can write.

   a. Write the multiples of 5 starting from 100.

   100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210

   b. Write the multiples of 4 starting from 20.

   20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120

   c. Write the multiples of 6 starting from 36.

   36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168, 174, 180

2. List the numbers that have 24 as a multiple.

   1, 2, 3, 4, 6, 8, 12, 24

3. Use mental math, division, or the associative property to solve. (Use scratch paper if you like.)

   a. Is 12 a multiple of 4? yes Is 4 a factor of 12? yes

   b. Is 42 a multiple of 8? no Is 8 a factor of 42? no

   c. Is 84 a multiple of 6? yes Is 6 a factor of 84? yes

4. Can a prime number be a multiple of any other number except itself? Explain why or why not.

   Yes. A prime number is also a multiple of 1. A prime number has two factors; itself and 1.