

Factors Versus Multiples

- List 10 multiples of 6 that are less than 100.
 - List 10 multiples of 15 that are less than 200.
 - List 5 multiples of 250 that are greater than 1,200.
- What is the biggest multiple of 4 that is less than 100?
 - What is the smallest multiple of 100 that is more than 1000?
- Fill in with the words "multiple(s)" or "factor(s)".

- >> 25, 50, 75, 100, 125, and 150 are _____ of 25.
- >> 1, 2, 5, 10, 25, and 50 are _____ of 50.
- >> Each number has an infinite number of _____.
- >> Each number has a greatest _____.
- >> If a number x divides into another number y , we say x is a _____ of y .

- Draw a line from each number to the correct box.
 - Which number is a "black sheep"? (Neither a factor nor a multiple of 24.)
 - Which number is BOTH a factor and a multiple of 24?

240 8 48 4 96 24 1 2

a factor of 24

a multiple of 24

120 3 30 72 144 6 12

- Find all the factors of the given numbers.
 - 26
 - 32
 - 40
 - 50
- Find five numbers that are multiples of both 10 and 3.
 - Find five numbers that are multiples of both 6 and 9.
 - Find five numbers that are multiples of both 4 and 7.
 - Find five numbers that are multiples of both 8 and 12.

- 24 is divisible by 1, 2, 3, 4, 6, 8, 12, and 24 - that is, it has 8 divisors! Find a number that has even more divisors (it has 9 divisors) and is less than 40.

- Explain the words with the help of examples.

dividend _____

quotient _____

factor _____

