

Factors, Multiples, Primes and Square/Cube Numbers

Year 5 · Number · y5-number-properties

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. List all the factors of 12.

2. What is the 5th multiple of 4?

3. Is 17 a prime number? Answer yes or no.

4. What is 6 squared?

5. Find the common factors of 12 and 18.

6. A factor divides exactly into a number; a multiple is what you get when you multiply a number. Is 3 a factor of 12, or a multiple of 12?

7. A prime number has exactly two factors: 1 and itself. 1 only has one factor, so it is not prime. Is 1 a prime number? Answer yes or no.

8. A square number is a number multiplied by itself; a cube number is multiplied by itself three times. What is 4 cubed ($4 \times 4 \times 4$)?

Challenge

1. What is 7 squared minus 3 cubed?

2. Find all the prime numbers between 10 and 20.
