

Warm-ups

1. Kelley randomly picked up the book numbered 15. Is her book number a prime or composite number? Why?
2. Mrs. Foster wants to split up the students in her class into evenly numbered groups. If she has 24 students in her class, how many different ways can she divide them?

Remember: 2 groups of 3 is different from 3 groups of 2

'Big Q'

Michael drew the number 12 from the bag of number tiles in his classroom. Students with prime numbers were told to line up in the front of the room. Students with composite numbers were told to line up in the back of the room. Where would Michael line up?

'Big Q'

Choose the statement that is true.

- A. All prime numbers are products of prime numbers.
- B. All prime numbers have an odd number of factors.
- C. All prime numbers have more than two factors.
- D. All prime numbers have only two factors: 1 and the number itself.

'Big Q'

Mr. Scharff's class of 30 students is counting off for a math game. They are counting 1, 2, 3, 4, etc. How many prime numbers will they count?

- A. 6
- B. 9
- C. 10
- D. 11

'Big Q' Practice

Ryon numbered his cars from 1 to 6. How many cars were numbered with a prime number? Which cars are they?