

## One, Some or None?

Students are to draw three cards at random and attempt to find three numbers (some) that meet all three criteria. If three numbers cannot be found that meet all three criteria, the student must explain why three numbers cannot be found.

Skills practiced:

Vocabulary, deduction, writing about math

Phrases:

An even number

An odd number

A prime number

A composite number

Has exactly 2 factors

Has exactly 3 factors

Has exactly 4 factors

Has more than 2 factors

Has more than 3 factors

Has at least 2 factors

Has at least 3 factors

Has less than 4 factors

Has less than 5 factors

Has 2 as a factor

Has 3 as a factor

Has 4 as a factor

Has 5 as a factor

Has 6 as a factor

A perfect square number

Is a divisor of 24

Is a divisor of 30

Is a divisor of 40

Is a divisor of 60

Is a divisor of 120

Is a multiple of 2

Is a multiple of 3

Is a multiple of 4

Is a multiple of 5

Is a multiple of 6

Is a multiple of 7

Has 2 factors in its prime factorization

Has 3 factors in its prime factorization