Starter question Lesson: Simplest Form

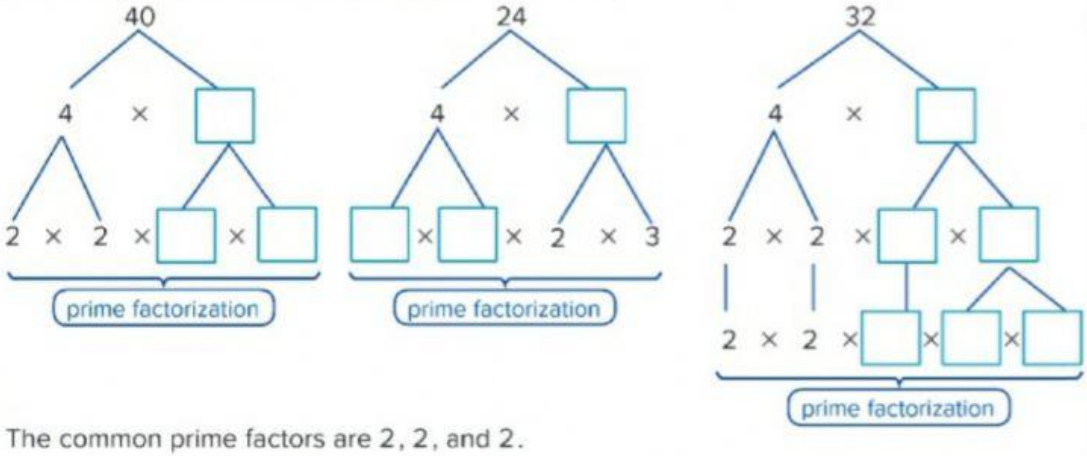
Math in My World

Example 1

Al Nahda Secondary School arranges their sports trophies in rows in a display case. There is an equal number of trophies in each row. Each row has only one kind of trophy. What is the greatest possible number of trophies in each row?

Trophies	
Type	Number
Volleyball	40
Football	24
Cricket	32

Write the prime factorization to find common factors.



The common prime factors are 2, 2, and 2.

Multiply to find the GCF.

____ × ____ × ____ or ____

So, the greatest number of trophies that could be placed in each row is ____.

Test Practice

6. Rashid will share his collection with his friends so that they each receive the same number of cards. What is the greatest number of cards they will each receive?

Sports Cards	
Type	Number
Cricket	32
Football	24

Ⓐ 4 cards Ⓒ 12 cards

Ⓑ 8 cards Ⓓ 16 cards