Math 6 Remote Learning Lesson 1 - Common Factors

Find the common factors of each pair of numbers.

Example

18 and 32

Factors of 18	Factors of 32
$18 = 1 \times 18$ $18 = 2 \times 9$ $18 = 3 \times 6$	$32 = 1 \times 32$ $32 = 2 \times 16$ $32 = 4 \times 8$

Factors of 18: ① ② 3, 6, 9, 18
Factors of 32: ① ② 4, 8, 16, 32

The common factors of 18 and 32 are 1 and 2.

Find the common factors of each pair of numbers.

1. 28 and 40 _____
2. 45 and 63 _____
3. 35 and 60 _____
4. 56 and 70 _____

Find the greatest common factor of each pair of numbers.

5. 18 and 48 _____
6. 40 and 64 _____
7. 42 and 70 _____
8. 30 and 75 _____

Giselle buys two types of flowers, 48 pink roses and 56 white lilies. She combines the flowers to make identical bouquets, with no flowers left over.

a) Find the greatest number of bouquets that Giselle can make.

b) Find the number of pink roses and white lilies in each bouquet.