Name: _____ Date: _____

Common factors

Write the answer in the box. Some answers have a pick list.



1. A Venn diagram uses the cards 1, 2, 3, 6, 30, 42, 60. Its circles are factors of 30 and factors of 42. What is the largest card in the overlap?

   💡 Hint: List the factors of each number. Which ones are in both lists?

   6

2. Place all positive factors of 32 or 56 into a Venn diagram. How many different factors are in exactly one circle?

   💡 Hint: List the factors of each number. Which ones are in both lists?

   6

3. List all common positive factors of 15 and 25, from least to greatest.

   💡 Hint: List the factors of each number. Which ones are in both lists?

   1, 5

4. List all common positive factors of 40 and 60, from least to greatest.

   💡 Hint: List the factors of each number. Which ones are in both lists?

   1, 2, 4, 5, 10, 20

5. Place all positive factors of 24 or 40 into a Venn diagram. How many different factors are in exactly one circle?

   💡 Hint: List the factors of each number. Which ones are in both lists?

   8

6. List all common positive factors of 32 and 48, from least to greatest.

   💡 Hint: List the factors of each number. Which ones are in both lists?

   1, 2, 4, 8, 16

7. List all common positive factors of 18 and 30, from least to greatest.

   💡 Hint: List the factors of each number. Which ones are in both lists?

   1, 2, 3, 6

8. A Venn diagram uses the cards 1, 5, 25, 40, 50. Its circles are factors of 25 and factors of 40. What is the largest card in the overlap?

   💡 Hint: List the factors of each number. Which ones are in both lists?

   5

9 A Venn diagram uses the cards 1, 3, 9, 27, 45, 54. Its circles are factors of 27 and factors of 45. What is the largest card in the overlap?

💡 Hint: List the factors of each number. Which ones are in both lists?

9

10 Place all positive factors of 15 or 20 into a Venn diagram. How many different factors are in exactly one circle?

💡 Hint: List the factors of each number. Which ones are in both lists?

6