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?

_____

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?

_____

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?

_____ , _____

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?

_____ , _____ , _____ ,

_____ , _____ , _____

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?

_____

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?

_____ , _____ , _____ ,

_____ , _____

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?

_____ , _____ , _____ ,

_____

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?

_____

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?

_____

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?

_____