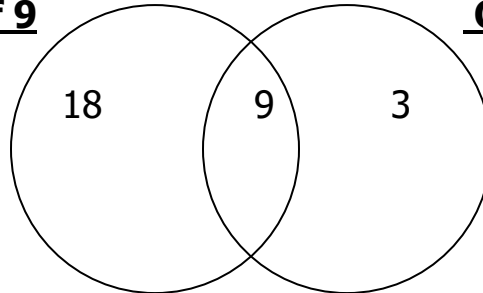


LO: To sort numbers using Venn diagrams

1. The numbers below are odd numbers, factors of 9 **or** odd and factors of 9. Copy and complete the Venn diagram to sort the numbers.

Factors of 9



Odd Numbers

24, 7, 5, 2, 45, 63, 36

Use the layout above for the rest of the questions.

2. The numbers below are even, factors of 3 **or** even and factors of 3. Draw your own Venn diagram for these numbers

3, 6, 12, 17, 21, 27, 39, 30, 24, 29

3. The numbers below are factors of 2, 5 **or** 2 and 5. Draw your own Venn diagram for these numbers

2, 5, 10, 3, 20, 15, 17, 25, 8, 6

4. The numbers below are factors of 3, 7 **or** 3 and 7. Draw your own Venn diagram for these numbers

3, 21, 5, 7, 28, 25, 35, 15, 12, 63

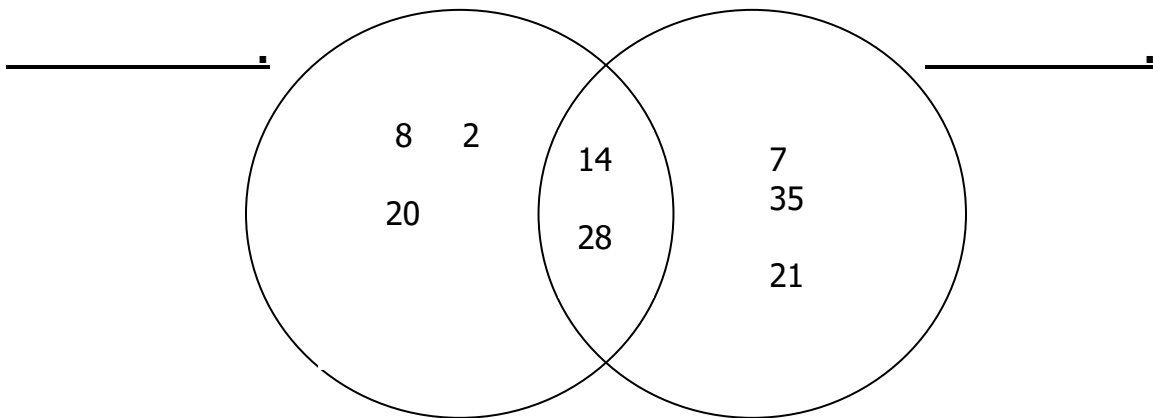
5. The numbers below are factors of 6, 8 **or** 6 and 8. Draw your own Venn Diagram for these numbers

8, 24, 9, 12, 48, 16, 30, 26, 42, 6

Extension Venn Diagram Questions

1. Look at the diagram below. See if you can work out what the factor of each group of numbers are, then use the left over numbers to copy and complete the diagram.

4, 42, 3, 70, 12, 49, 11, 77



2. Create your own Venn diagram for factors of 4 and 8. Start by listing your 4 and 8 times tables if you're stuck. Don't forget to use some numbers that can't be sorted!
3. This is a Carroll diagram. It's the same as a Venn diagram, but is laid out differently. See if you can sort the numbers using the headings provided.

3, 2, 6, 11, 18, 8, 22, 33, 27, 4

	Multiple of 3	Not a multiple of 3
Multiple of 2		
Not a multiple of 2		