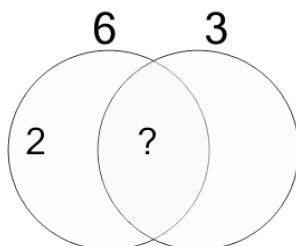# mobius

Factoring - Venn Diagrams - 2 Numbers - Populated Venn without Center to Shared Factors

1 Complete the factor diagram by adding the shared prime factors
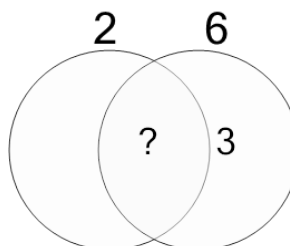
6   3

2   ?

A	{7, 2, 2}
B	{6, 4, 4}
C	{2, 3, 4, 4}
D	{3}
E	{5, 7, 4}
F	{3, 6}

2 Complete the factor diagram by adding the shared prime factors

2   6

?   3

A		B	
	{2}		{2, 6}
C		D	
	{4}		{6, 6, 5}
E		F	
	{5, 6, 3}		{2, 7}

3 Complete the factor diagram by adding the shared prime factors

5   10

?   2
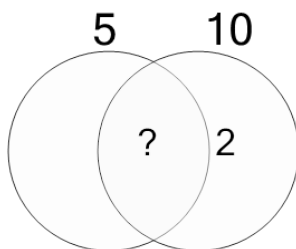
A	{6, 2, 3, 4}
B	{6, 6, 4}
C	{7}
D	{5, 4, 2, 5, 3}
E	{5}
F	{5, 7, 6, 7, 5}

4 Complete the factor diagram by adding the shared prime factors

9   3

3   ?
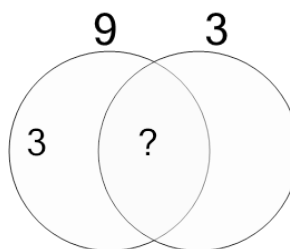
A	{3}
B	{3, 2, 3, 2, 5}
C	{4, 3, 7, 7}
D	{2, 6, 2}
E	{2}
F	{7, 5, 2, 3}

5 Complete the factor diagram by adding the shared prime factors

12   4

3   ?
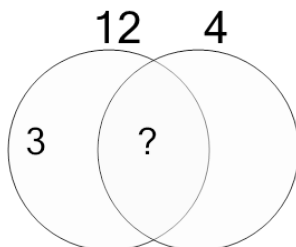
A	{2}
B	{2, 6, 4, 2, 7}
C	{3, 2}
D	{2, 2}
E	{2, 7, 3, 7, 5}
F	{2, 2, 2}

6 Complete the factor diagram by adding the shared prime factors

3   6

?   2
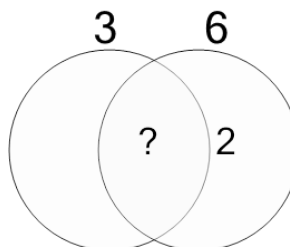
A	{5}
B	{2}
C	{7, 6, 3, 7}
D	{3}
E	{6, 2, 3, 6}
F	{3, 5, 2, 5}

7 Complete the factor diagram by adding the shared prime factors

2   4

?   2
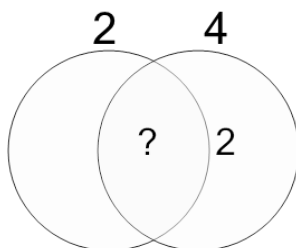
A	{6, 5, 4}
B	{4, 6, 2, 5}
C	{4}
D	{3, 7, 6, 3}
E	{2, 4, 7, 3}
F	{2}

8 Complete the factor diagram by adding the shared prime factors

10   4

5   ?   2
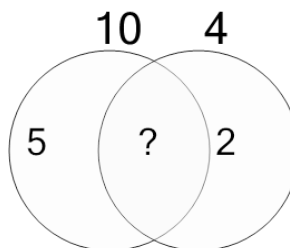
A	{2}
B	{2, 3, 3, 6, 3}
C	{2, 7, 5, 4, 4}
D	{7}
E	{3, 3, 3}
F	{2, 5}