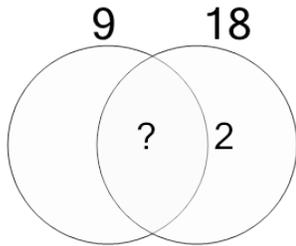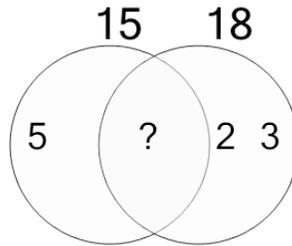Name _____

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

1 Complete the factor diagram by adding the shared prime factors
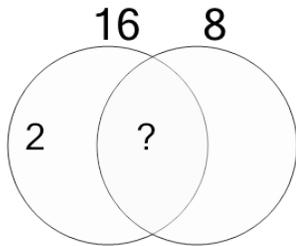
9   18

(? | 2)

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

2 Complete the factor diagram by adding the shared prime factors

15   18

5 (? | 2 3)

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

3 Complete the factor diagram by adding the shared prime factors

16   8

2 (?)

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

4 Complete the factor diagram by adding the shared prime factors

12   15

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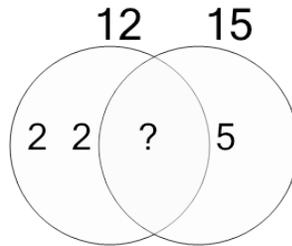
A	{3}
B	{6, 7, 4}
C	{4, 5, 5, 5}
D	{3, 4, 6, 3, 6}
E	{6, 3, 5, 2}
F	{6}

5 Complete the factor diagram by adding the shared prime factors

14   8

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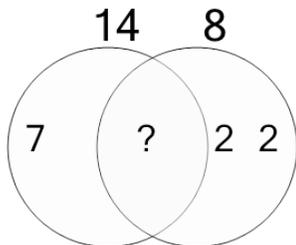
A	{2, 4}	B	{2}
C	{4, 6, 3}	D	{2, 5, 7}
E	{2, 3, 5}	F	{2, 6}

6 Complete the factor diagram by adding the shared prime factors

12   16
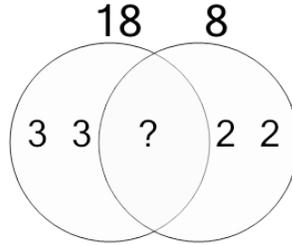
3 (? | 2 2)
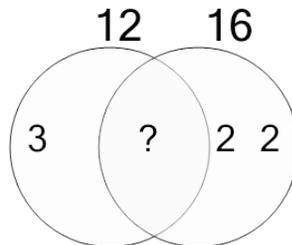
A	{2}
B	{2, 4}
C	{2, 7, 4, 5, 5}
D	{2, 7, 5, 2}
E	{2, 2}
F	{3, 2, 6, 6, 2}

7 Complete the factor diagram by adding the shared prime factors

10   18

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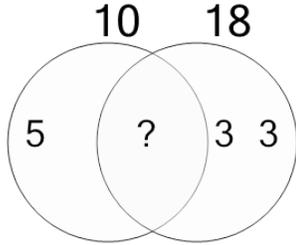
A	{4, 6, 2}	B	{2}
C	{2, 3, 7}	D	{4, 4, 2}
E	{3, 7, 4}	F	{4}

8 Complete the factor diagram by adding the shared prime factors

18   8

3 3 (? | 2 2)

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