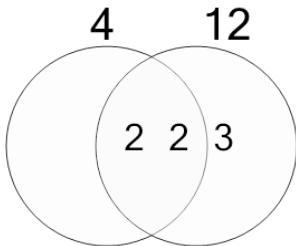# Factoring - Venn Diagrams - 2 Numbers - Populated Venn to Shared Factors

Name

1 Find the shared prime factors of these numbers (in center)

4   12

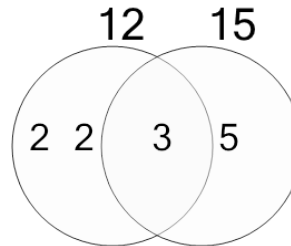2 2 3

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

2 Find the shared prime factors of these numbers (in center)

12   15

2 2   3   5

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

3 Find the shared prime factors of these numbers (in center)

8   14

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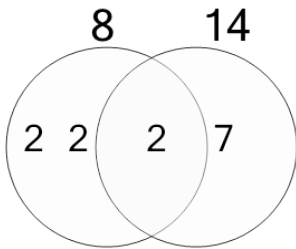
A	{2, 5, 3}
B	{7, 4, 2, 5}
C	{5, 6, 6, 2}
D	{2}
E	{3, 6, 7, 5}
F	{2, 7, 4, 4}

4 Find the shared prime factors of these numbers (in center)

4   14

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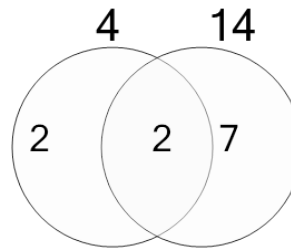
A	{2}
B	{2, 3}
C	{2, 5}
D	{6, 5, 3}
E	{2, 6}
F	{2, 4, 6, 5, 5}

5 Find the shared prime factors of these numbers (in center)

14   8

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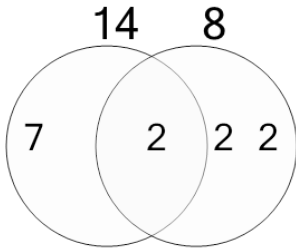
A	{4}
B	{2, 6, 2}
C	{3}
D	{2}
E	{4, 6, 6}
F	{2, 5, 6, 6, 7}

6 Find the shared prime factors of these numbers (in center)

12   6

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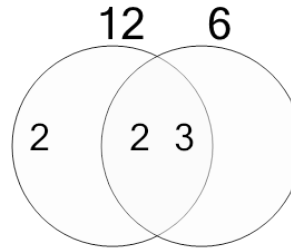
A	{2, 7, 6, 4, 4}
B	{3, 5, 7, 4}
C	{2, 2, 5, 7, 7}
D	{2, 3}
E	{2, 3, 5}
F	{2, 3, 5, 6, 3}

7 Find the shared prime factors of these numbers (in center)

8   6

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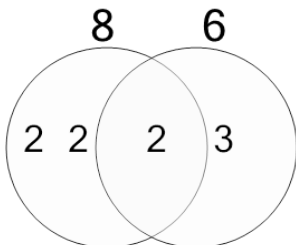
A	{6, 2, 6, 5}
B	{7, 3, 3}
C	{2, 5}
D	{2, 2}
E	{7, 2, 4}
F	{2}

8 Find the shared prime factors of these numbers (in center)

8   12

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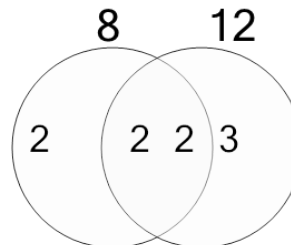
A	{2, 2, 2}
B	{5, 2, 5, 7, 2}
C	{2}
D	{2, 2, 7}
E	{2, 2}
F	{2, 7}

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