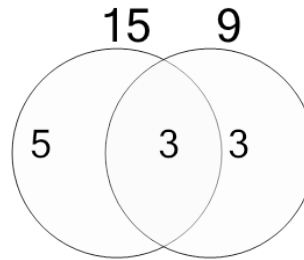# mobius

Math worksheet on *'Factoring - Venn Diagrams - 2 Numbers - Populated Venn to Shared Factors (Level 2)'*. Part of a broader unit on *'Factoring and Venn Factor Diagrams - Intro'*
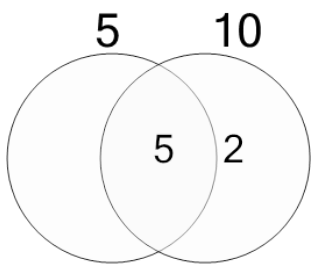
Learn online: app.mobius.academy/math/units/factoring_and_venn_diagrams_intro/

1 Use the factor diagram to find the shared prime factors of these numbers (in the center)
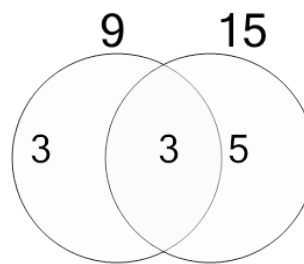
15   9

5   3   3

a	{3, 3, 4, 3, 3}
b	{3}
c	{3, 3, 7, 7, 5}
d	{5, 4, 5}
e	{7, 6, 2}
f	{3, 5}

2 Use the factor diagram to find the shared prime factors of these numbers (in the center)

5   10

5   2

a	{2}	**b**	{7}
c	{7, 3, 7}	**d**	{5, 2}
e	{5}	**f**	{5, 4}

3 Use the factor diagram to find the shared prime factors of these numbers (in the center)

9   15

3   3   5

a	{2, 3, 5, 4}
b	{2, 7, 6}
c	{7, 3, 5}
d	{3}
e	{6, 3, 5, 2}
f	{4, 6, 4}

4 Use the factor diagram to find the shared prime factors of these numbers (in the center)

6   14

3   2   7
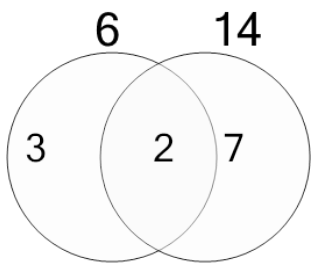
a	{2, 6}	**b**	{2, 6, 7}
c	{3, 2, 5}	**d**	{5, 6, 6}
e	{2}	**f**	{4, 7, 2}

5 Use the factor diagram to find the shared prime factors of these numbers (in the center)

15   10

3   5   2
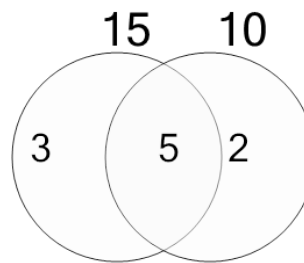
a	{5}
b	{5, 6, 5}
c	{5, 6, 3, 6, 6}
d	{5, 7}
e	{7, 2, 4, 7}
f	{5, 7, 3, 3, 7}

6 Use the factor diagram to find the shared prime factors of these numbers (in the center)

10   14

5   2   7
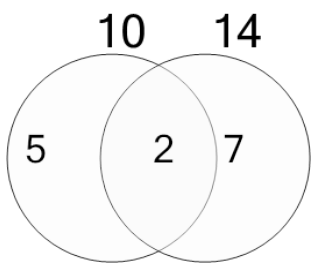
a	{6, 6, 3, 5}
b	{4, 2, 4, 7}
c	{2, 4}
d	{2}
e	{3, 6, 7}
f	{5, 2, 7}

7 Use the factor diagram to find the shared prime factors of these numbers (in the center)

4   14

2   2   7
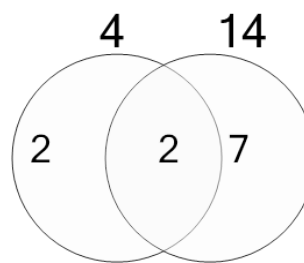
a	{3, 7, 6}
b	{7, 7, 6}
c	{2}
d	{4, 3, 7, 2}
e	{2, 5, 2, 6, 2}
f	{4, 4, 3}