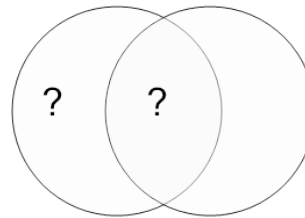# mobius

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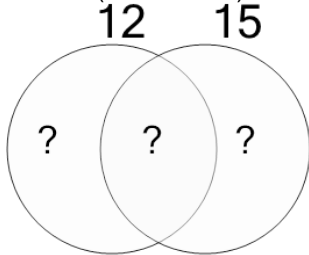
Learn online: app.mobius.academy/math/units/factoring_and_venn_diagrams_intro/

1 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)
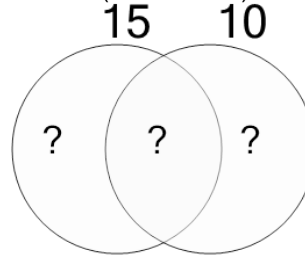
14   7

? ?

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

2 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)
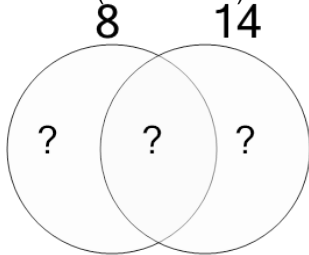
12   15

? ? ?

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

3 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)
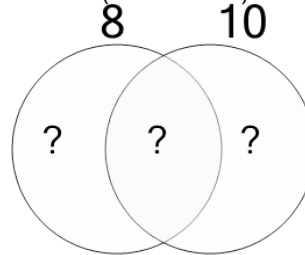
15   10

? ? ?

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

4 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)
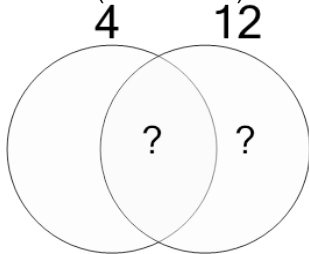
8   14

? ? ?

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

5 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)
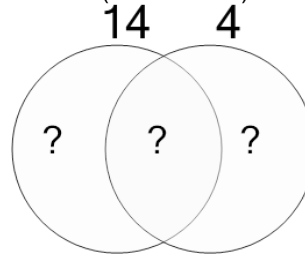
8   10

? ? ?

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

6 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)

4   12

? ?

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

7 Populate the factor diagram and use it to find the shared prime factors of these numbers (in the center)

14   4

? ? ?

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