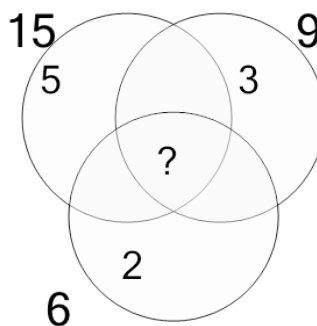# mobius

Math worksheet on *'Factoring - Venn Diagrams - 3 Numbers - Populated Venn without Center to Shared Factors (Level 2)'*. Part of a broader unit on *'Factoring and Venn Factor Diagrams - Practice'*
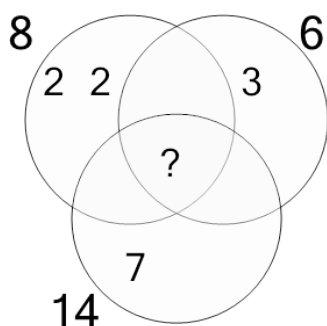
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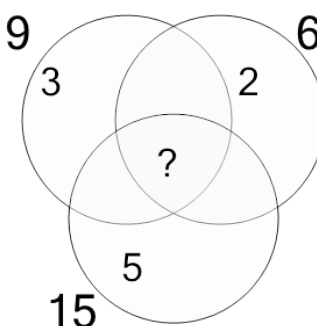**1** Complete the factor diagram by adding the shared prime factors in the center

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

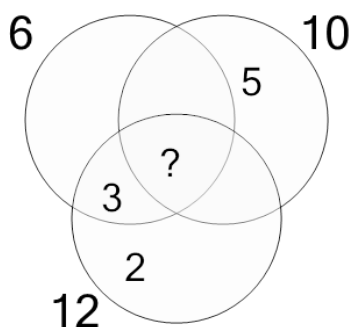**2** Complete the factor diagram by adding the shared prime factors in the center

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

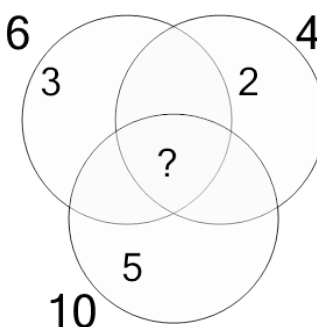**3** Complete the factor diagram by adding the shared prime factors in the center

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

4 Complete the factor diagram by adding the shared prime factors in the center
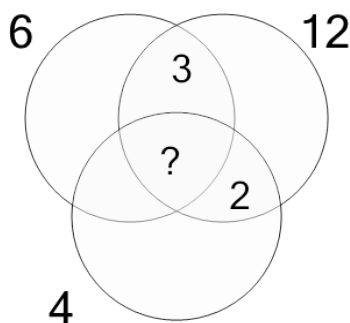

a	{6, 5, 6, 5}
b	{3}
c	{2, 4}
d	{2, 4, 6}
e	{2}
f	{7}

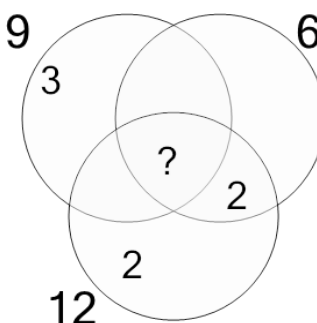**5** Complete the factor diagram by adding the shared prime factors in the center

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

6 Complete the factor diagram by adding the shared prime factors in the center

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

7 Complete the factor diagram by adding the shared prime factors in the center

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