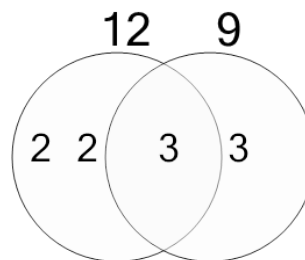# mobius

Math worksheet on *'Factoring - Venn Diagrams - 2 Numbers - Populated Venn to Distinct Factors (Level 1)'*. Part of a broader unit on *'Factoring and Venn Factor Diagrams - Intro'*
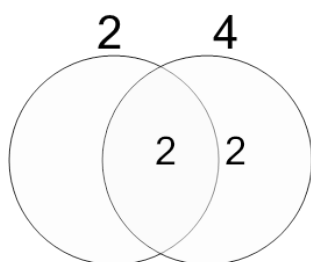
Learn online: app.mobius.academy/math/units/factoring_and_venn_diagrams_intro/

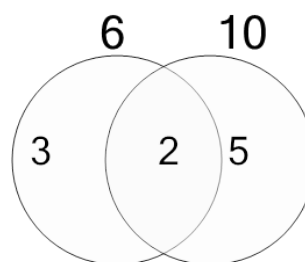**1** Use the factor diagram to find all the distinct factors of these numbers.

12　9

2　2　3　3

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

2 Use the factor diagram to find all the distinct factors of these numbers.
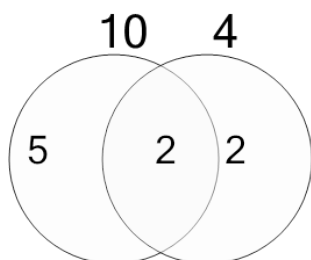
2　4

2　2

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

3 Use the factor diagram to find all the distinct factors of these numbers.

6　10

3　2　5

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

4 Use the factor diagram to find all the distinct factors of these numbers.

10　4

5　2　2

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

5 Use the factor diagram to find all the distinct factors of these numbers.

12　2

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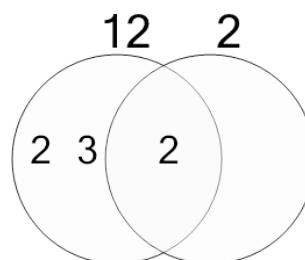
a	{2, 3, 6, 5, 6}
b	{2, 2, 3}
c	{2, 3}
d	{2, 5, 3}
e	{3, 2, 3}
f	{2, 2, 3, 5}

6 Use the factor diagram to find all the distinct factors of these numbers.

10　6

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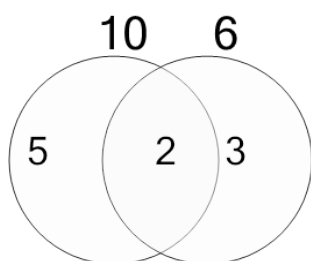
a	{2, 4, 3}
b	{2, 5, 3, 7}
c	{2, 5, 3, 6}
d	{4, 5, 3}
e	{2, 3}
f	{2, 5, 3}

7 Use the factor diagram to find all the distinct factors of these numbers.

9　3

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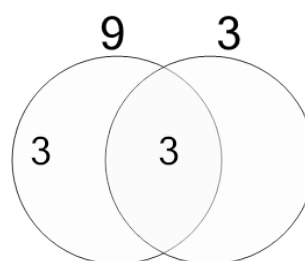
a	{3, 3}
b	{3, 4, 2, 4}
c	{3, 7}
d	{3}
e	{3, 2, 4, 3}
f	{3, 3, 4}