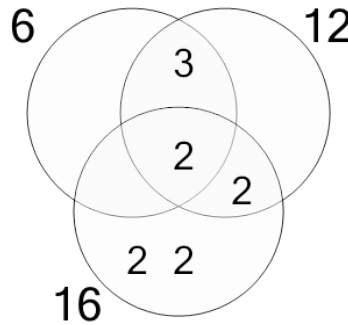# mobius

Math worksheet on *'Factoring - Venn Diagrams - 3 Numbers - Populated Venn to Distinct Factors (Level 3)'*. Part of a broader unit on *'Factoring and Venn Factor Diagrams - Practice'*
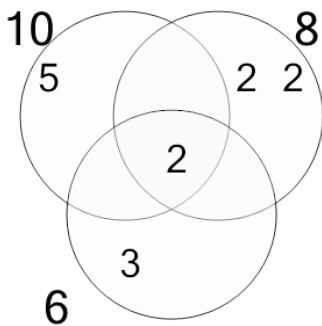
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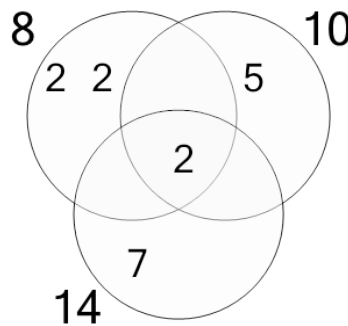**1** Use the factor diagram to find all the distinct factors of these numbers.

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

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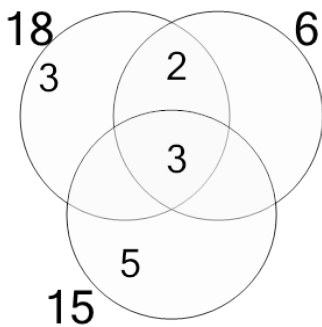

a	{2, 5, 2, 2, 3, 6}
b	{2, 5, 2, 2, 3}
c	{5, 2, 2, 3}
d	{2, 5, 2, 2, 3, 7}
e	{2, 6, 2, 2, 3}
f	{2, 5, 2, 5, 3}

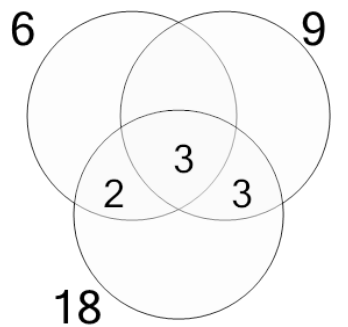**3** Use the factor diagram to find all the distinct factors of these numbers.

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

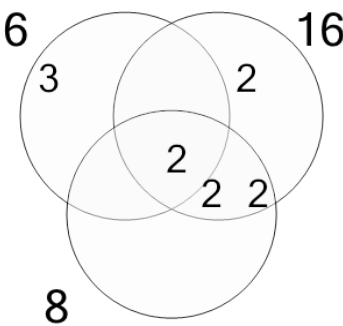**4** Use the factor diagram to find all the distinct factors of these numbers.

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

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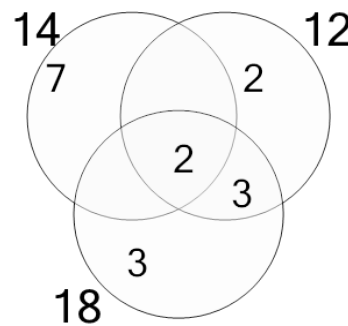

a	{2, 3, 4}
b	{2, 3, 6}
c	{2, 3, 3}
d	{2, 4, 3}
e	{2, 3, 3, 6}
f	{3, 3}

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

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

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

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