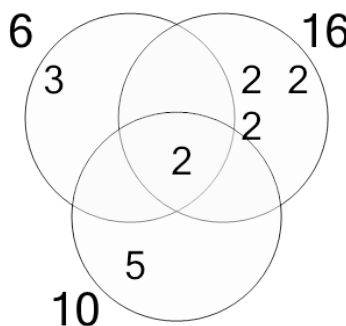Name:_____

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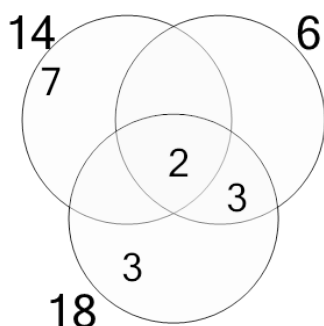
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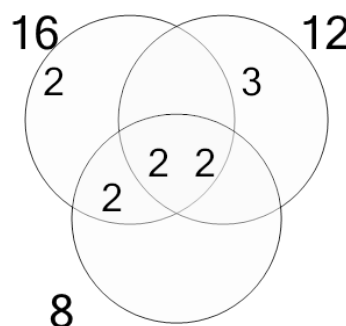**1** Use the factor diagram to find all the distinct factors of these numbers.

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

---

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

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

---

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

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

---

4 Use the factor diagram to find all the distinct factors of these numbers.
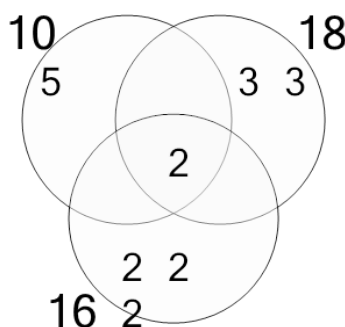
a	{2, 5, 4, 3, 2, 2, 2}
b	{2, 5, 3, 3, 2, 2, 2, 2}
c	{2, 5, 3, 3, 2, 2, 2}
d	{2, 5, 3, 3, 2, 2, 2, 5}
e	{2, 5, 3, 3, 6, 2, 2}
f	{2, 5, 3, 3, 2, 2}

---

5 Use the factor diagram to find all the distinct factors of these numbers.
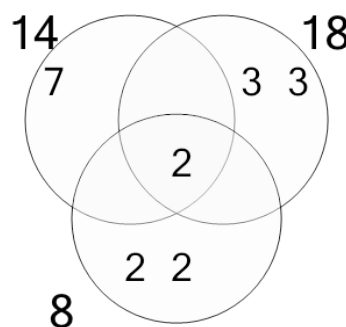
a	{2, 7, 3, 3, 2, 3}
b	{2, 7, 3, 3, 2, 2}
c	{2, 7, 3, 3, 6, 2}
d	{2, 7, 3, 3, 2, 2, 2}
e	{2, 7, 3, 3, 2}
f	{2, 7, 3, 3, 5, 2}

---

6 Use the factor diagram to find all the distinct factors of these numbers.
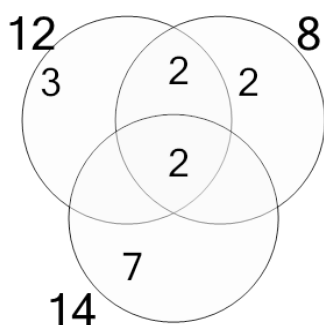
a	{2, 2, 3, 2, 7}
b	{2, 2, 3, 7}
c	{2, 2, 3, 2, 7, 7}
d	{2, 2, 3, 2, 7, 5}
e	{2, 2, 3, 7, 7}
f	{2, 2, 4, 2, 7}

---

7 Use the factor diagram to find all the distinct factors of these numbers.
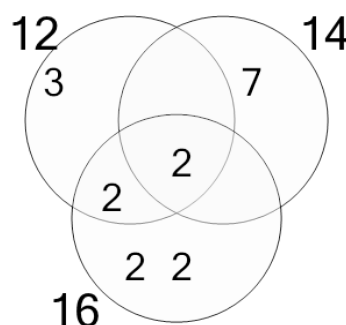
a	{2, 2, 3, 7, 2}
b	{6, 2, 3, 7, 2, 2}
c	{2, 2, 3, 7, 2, 7}
d	{2, 3, 3, 7, 2, 2}
e	{2, 2, 3, 2, 2}
f	{2, 2, 3, 7, 2, 2}

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