

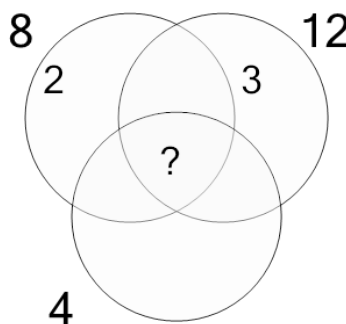


Math worksheet on 'Factoring - Venn Diagrams - 3 Numbers - Populated Venn without Center to Shared Factors (Level 1)'. Part of a broader unit on 'Factoring and Venn Factor Diagrams - Practice'

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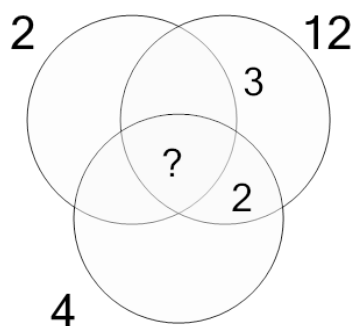
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**1** Complete the factor diagram by adding the shared prime factors in the center



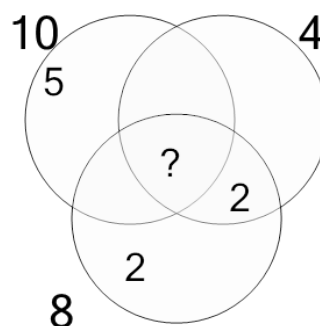
- |          |                 |
|----------|-----------------|
| <b>a</b> | {2, 4, 4, 5, 4} |
| <b>b</b> | {5, 2, 3, 5, 6} |
| <b>c</b> | {6, 2, 4, 4, 7} |
| <b>d</b> | {2, 3, 6, 7}    |
| <b>e</b> | {2, 4}          |
| <b>f</b> | {2, 2}          |

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



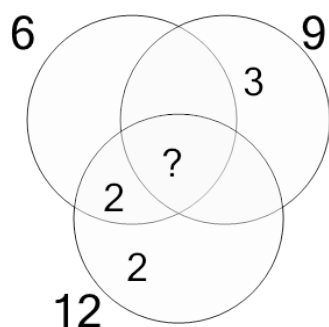
- |          |              |
|----------|--------------|
| <b>a</b> | {6, 7, 5, 7} |
| <b>b</b> | {2, 6, 7}    |
| <b>c</b> | {3, 2, 6, 2} |
| <b>d</b> | {2}          |
| <b>e</b> | {2, 3}       |
| <b>f</b> | {2, 4}       |

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



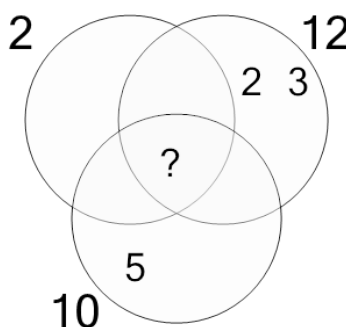
- |          |                 |
|----------|-----------------|
| <b>a</b> | {2}             |
| <b>b</b> | {2, 6, 6, 4, 4} |
| <b>c</b> | {6, 6, 5}       |
| <b>d</b> | {7}             |
| <b>e</b> | {2, 6, 2, 6}    |
| <b>f</b> | {2, 2}          |

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



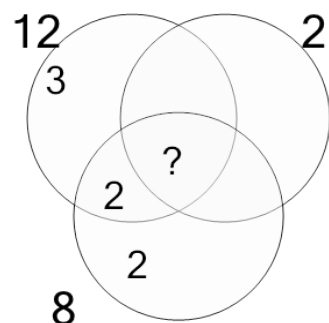
- |          |                 |
|----------|-----------------|
| <b>a</b> | {3, 3, 3, 3, 2} |
| <b>b</b> | {3}             |
| <b>c</b> | {3, 2}          |
| <b>d</b> | {3, 4}          |
| <b>e</b> | {2, 3, 4, 3}    |
| <b>f</b> | {6}             |

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



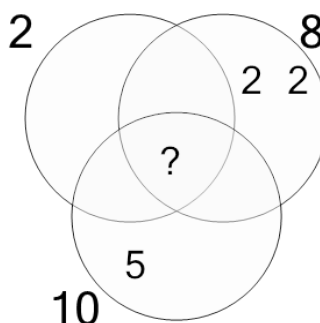
- |          |                 |
|----------|-----------------|
| <b>a</b> | {6, 7, 2}       |
| <b>b</b> | {5, 5, 5}       |
| <b>c</b> | {7, 3, 3, 7}    |
| <b>d</b> | {2, 4, 7, 5, 2} |
| <b>e</b> | {2}             |
| <b>f</b> | {2, 6}          |

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



- |          |                 |
|----------|-----------------|
| <b>a</b> | {2, 5}          |
| <b>b</b> | {2}             |
| <b>c</b> | {6}             |
| <b>d</b> | {2, 3, 5, 6, 5} |
| <b>e</b> | {4, 7, 5}       |
| <b>f</b> | {6, 3, 2}       |

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



- |          |                 |
|----------|-----------------|
| <b>a</b> | {3, 4, 4}       |
| <b>b</b> | {7}             |
| <b>c</b> | {5, 4, 6, 3}    |
| <b>d</b> | {2, 4, 3, 3, 7} |
| <b>e</b> | {2, 7, 7, 4, 5} |
| <b>f</b> | {2}             |