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| **Fill in the Blanks** | **Venn Diagrams and Set Notation** |

In all questions $ξ=\{Integers from 1 to 12 inclusive\}$

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| **Sets** | **Venn Diagram** | $$A∪B$$ | $$A∩B$$ | $$A'∩B$$ | $$(A∪B)'$$ |
| $$A=$$$$\{multiples$$$$ of 3\}$$ |  |  | $$\{3, 6, 12\}$$ |  | $$\{5, 7, 8,$$$$ 10, 11\}$$ |
| $$B=$$$$\{factors$$$$ of 12\}$$ |
| $$A=$$$$\{prime$$$$ numbers\}$$ |  |  |  |  |  |
| $$B=$$$$\{odd $$$$numbers\}$$ |
| $$A=$$$$\{integers$$$$ less than 7\}$$ |  |  |  |  |  |
| $$B=$$$$\{square $$$$numbers\}$$ |
|  |  |  |  |  |  |
|  |
|  |  |  | $$\{1, 8\}$$ | $$\{\}$$ | $$\{3, 5, 6, $$$$7, 9, 10,$$$$ 11, 12\}$$ |
|  |
|  |  | $$\{1, 2, 3, $$$$4, 5, 6, $$$$7, 8, 9, $$$$10, 11, $$$$12\}$$ | $$\{6, 9, 12\}$$ | $$\{5, 7, 8, $$$$10, 11\}$$ |  |
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