**Constructing Three Set Venns**

Illustrate with a Venn diagram.

$$ξ=\left\{1 to 10 inclusive\right\}$$

$$A=\left\{1 to 5 inclusive\right\}$$

$$B=\left\{even numbers\right\}$$

$$C=\{3 to 7 inclusive\}$$

Illustrate with a Venn diagram.

$$ξ=\left\{1 to 12 inclusive\right\}$$

$$A=\left\{prime numbers\right\}$$

$$B=\left\{multiples of 6\right\}$$

$$C=\{multiples of 3\}$$

Illustrate with a Venn diagram.

$$ξ=\left\{a to j inclusive\right\}$$

$$A=\left\{h, i,j\right\}$$

$$B=\left\{a, c, e, g, i\right\}$$

$$C=\{e, f, g, h, i\}$$

Illustrate with a Venn diagram.

$$ξ=\left\{10 to 20 inclusive\right\}$$

$$A=\left\{multiples of 2\right\}$$

$$B=\left\{multiples of 3\right\}$$

$$C=\{multiples of 5\}$$

Illustrate with a Venn diagram.

$$ξ=\left\{1 to 15 inclusive\right\}$$

$$A=\left\{x:3\leq x\leq 9\right\}$$

$$B=\left\{odd numbers\right\}$$

$$C=\{7, 8, 9, 10, 11\}$$

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