

SETS PUZZLE 1

Arrange the given cards to create five true statements involving the sets below.

$$A = \{1, 2, 3\}$$

$$B = \{3, 4, 5, 6\}$$

$$C = \{6, 7\}$$

$$D = \{1, 2, 3, 4, 5\}$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 1

A 1	A 1	B 1	C 1	D 1
D 1	∈ 1	∈ 1	∈ 1	∉ 1
⊂ 1	5 1	6 1	7 1	8 1

A 1	A 1	B 1	C 1	D 1
D 1	∈ 1	∈ 1	∈ 1	∉ 1
⊂ 1	5 1	6 1	7 1	8 1

M + A + T + H = *love*

SETS PUZZLE 2

Arrange the given cards to create five true statements involving the sets below.

$$A = \{4, 6, 8\}$$

$$B = \{2, 3, 4, 5, 6, 7, 8\}$$

$$C = \{1, 3, 5, 6, 7\}$$

$$D = \{4, 5, 6\}$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 2

Arrange the given cards to create five true statements involving the sets below.

$$A = \{4, 6, 8\}$$

$$B = \{2, 3, 4, 5, 6, 7, 8\}$$

$$C = \{1, 3, 5, 6, 7\}$$

$$D = \{4, 5, 6\}$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 2

A 2	B 2	B 2	C 2	C 2
D 2	D 2	€ 2	€ 2	∉ 2
⊂ 2	⊂ 2	4 2	6 2	7 2

A 2	B 2	B 2	C 2	C 2
D 2	D 2	€ 2	€ 2	∉ 2
⊂ 2	⊂ 2	4 2	6 2	7 2

M + A + T + H = *love*

SETS PUZZLE 3

Arrange the given cards to create five true statements involving the sets below.

$$A = \{-3, -2, -1, 0, 1, 2, 3, 4, 5\}$$

$$B = \{2, 4, 6, 8, 10\}$$

$$C = \{1, 2, 3, 4, 5\}$$

$$D = (3, 5]$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 3

Arrange the given cards to create five true statements involving the sets below.

$$A = \{-3, -2, -1, 0, 1, 2, 3, 4, 5\}$$

$$B = \{2, 4, 6, 8, 10\}$$

$$C = \{1, 2, 3, 4, 5\}$$

$$D = (3, 5]$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 3

A 3	A 3	B 3	C 3	D 3
D 3	€ 3	€ 3	∉ 3	⊂ 3
⊂ 3	-3 3	3.5 3	5 3	N 3

A 3	A 3	B 3	C 3	D 3
D 3	€ 3	€ 3	∉ 3	⊂ 3
⊂ 3	-3 3	3.5 3	5 3	N 3

M + A + T + H = *love*

SETS PUZZLE 4

Arrange the given cards to create five true statements involving the sets below.

$$A = (2, 5]$$

$$B = (3, 4)$$

$$C = [4, 9]$$

$$D = [5, 8)$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 4

Arrange the given cards to create five true statements involving the sets below.

$$A = (2, 5]$$

$$B = (3, 4)$$

$$C = [4, 9]$$

$$D = [5, 8)$$

$$M + A + T + H = \textit{love}$$

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SETS PUZZLE 4

A 4	A 4	B 4	B 4	C 4
C 4	D 4	€ 4	€ 4	∉ 4
⊂ 4	⊂ 4	2 4	3 4	4 4

A 4	A 4	B 4	B 4	C 4
C 4	D 4	€ 4	€ 4	∉ 4
⊂ 4	⊂ 4	2 4	3 4	4 4

M + A + T + H = *love*