

Box Game

Object of the game: You work for a marble factory. Your job is to ship 10,000 marbles in the fewest number of boxes possible. Each marble requires one cubic inch of space.

Materials needed:

- 10-sided die (0 = 10)
- Dry erase boards/markers/erasers
- Calculator (optional)

To play:

Each player draws 3 box cards.

Roll the 10-sided die and fill in the number as the missing dimension on one of your box cards. You choose which card to complete. Once you have filled in the card, calculate the volume of the box – this tells you how many marbles the box can hold. (Coach or other player can check with calculator if needed.) Keep a running total of “marbles shipped” on your white board. Set your completed box cards aside in a stack and draw another blank box card so that you keep a total of 3 blank box cards at all times.

Then it's the next player's turn to roll the die and complete a box card.

Continue until the players have shipped 10,000 marbles.

To win: The player who ships 10,000 marbles with the fewest boxes wins.

Printing instructions: 2-sided, flip on short side, Horizontal, Black and white, laminate for durability

Length: _____

Width: 12

Height: 7

Volume Practice – Box Game

Length: 3

Width: _____

Height: 27

Volume Practice – Box Game

Length: 38

Width: 5

Height: _____

Volume Practice – Box Game

Length: _____

Width: 6

Height: 73

Volume Practice – Box Game

Length: 5

Width: _____

Height: 15

Volume Practice – Box Game

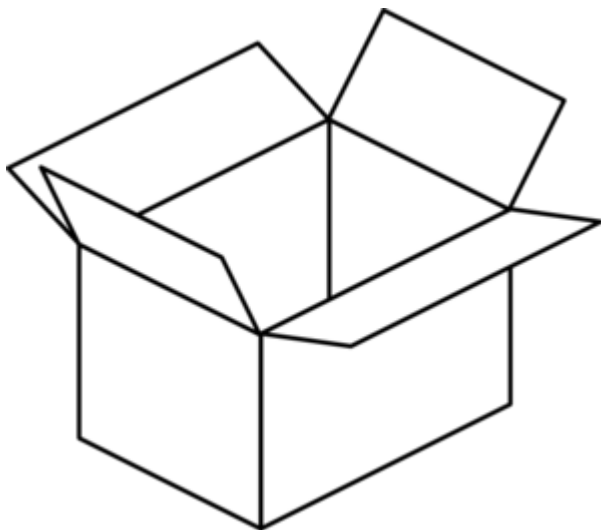
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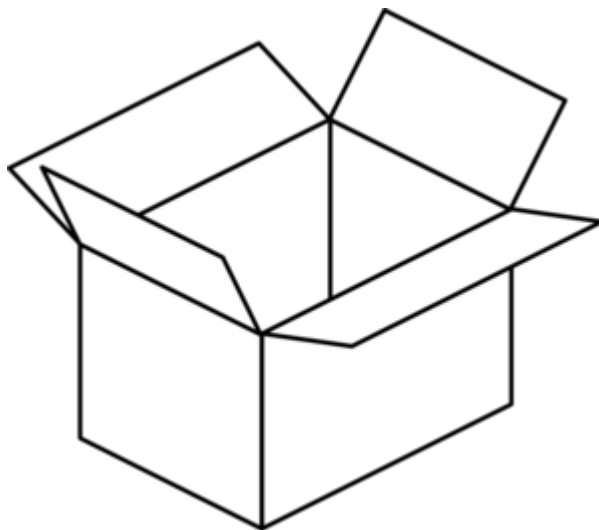
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Volume Practice – Box Game

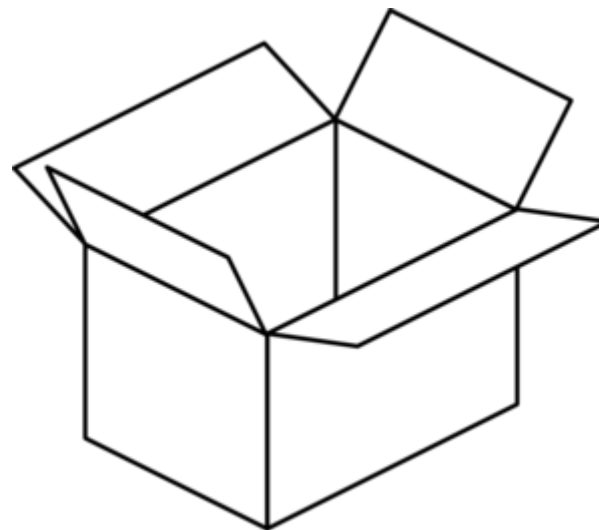
BOX CARD



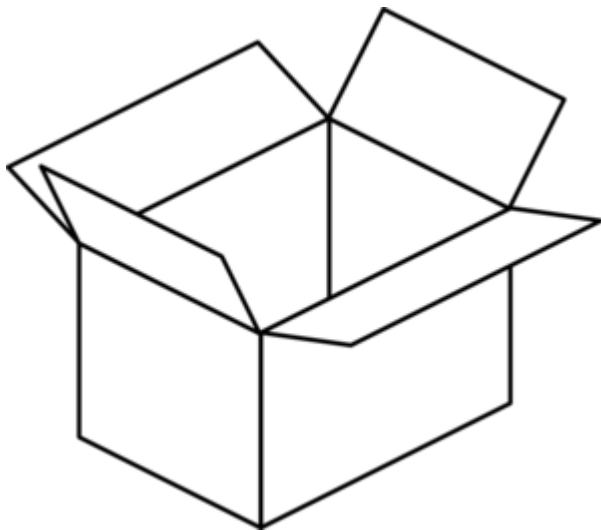
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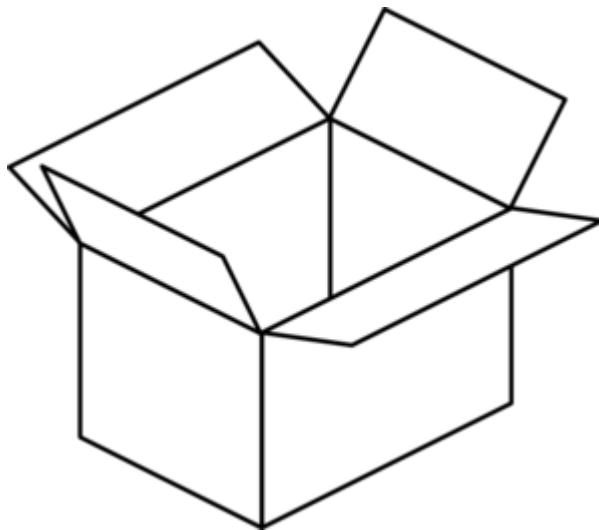
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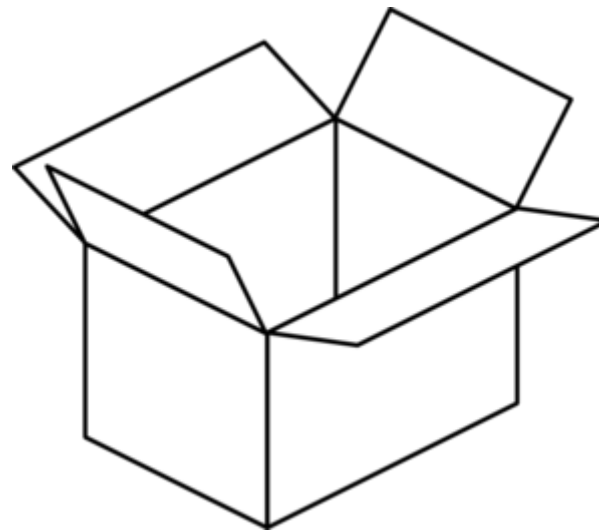
BOX CARD



BOX CARD



BOX CARD



Length: _____

Width: 32

Height: 9

Volume Practice – Box Game

Length: 46

Width: _____

Height: 7

Volume Practice – Box Game

Length: 3

Width: 25

Height: _____

Volume Practice – Box Game

Length: _____

Width: 18

Height: 9

Volume Practice – Box Game

Length: 7

Width: _____

Height: 12

Volume Practice – Box Game

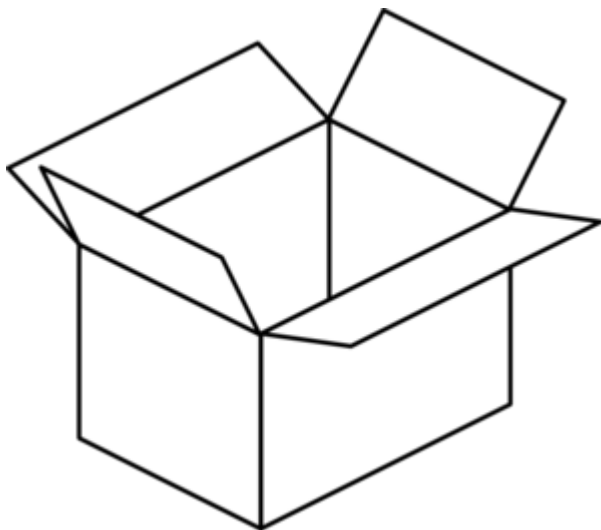
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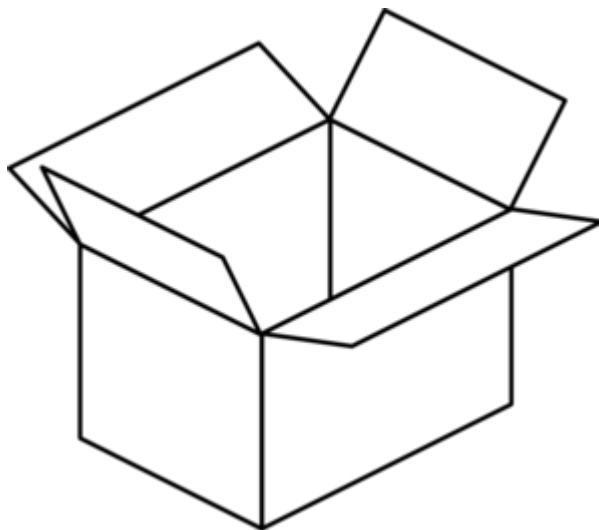
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Volume Practice – Box Game

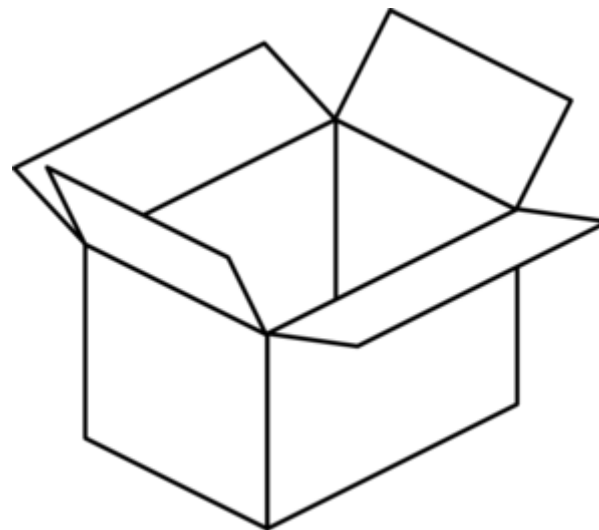
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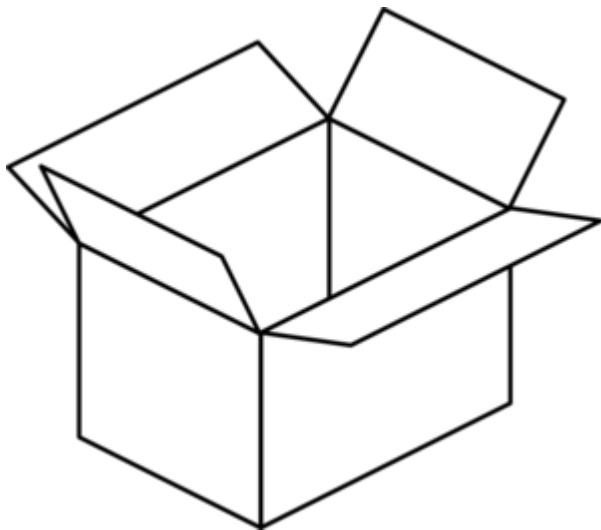
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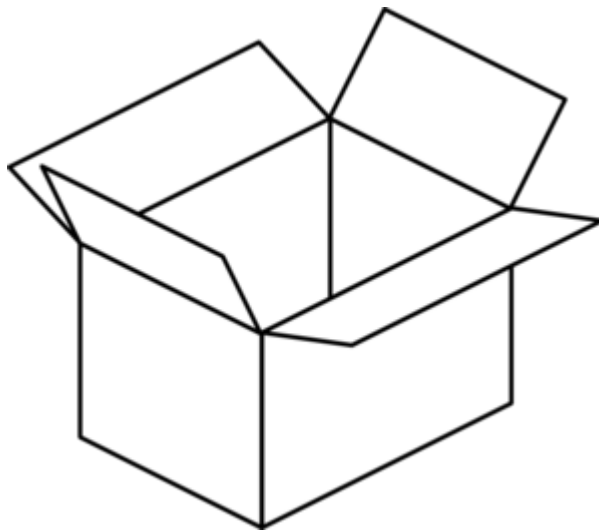
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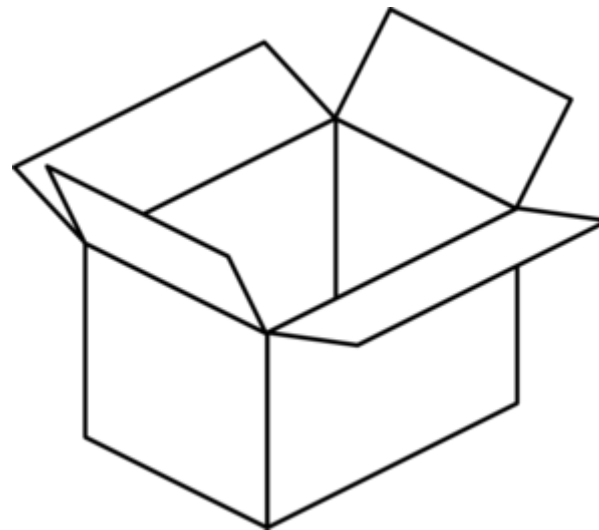
BOX CARD



BOX CARD



BOX CARD



Length: _____

Width: 38

Height: 4

Volume Practice – Box Game

Length: 6

Width: _____

Height: 73

Volume Practice – Box Game

Length: 5

Width: 15

Height: _____

Volume Practice – Box Game

Length: _____

Width: 9

Height: 44

Volume Practice – Box Game

Length: 32

Width: _____

Height: 9

Volume Practice – Box Game

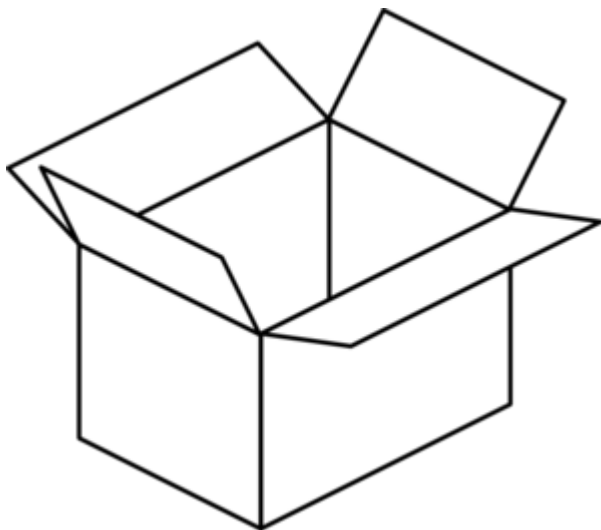
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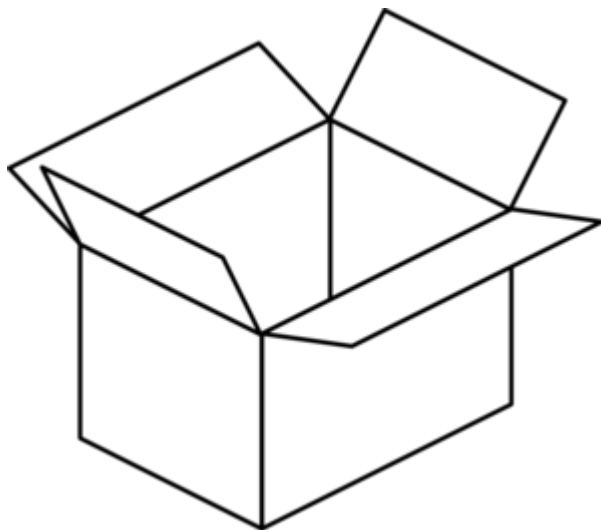
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Volume Practice – Box Game

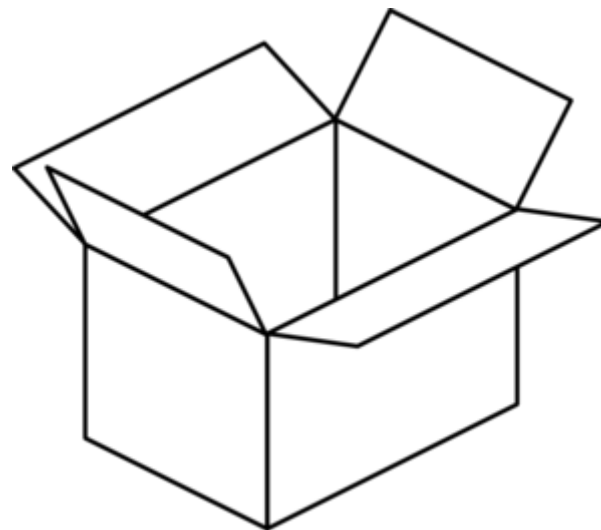
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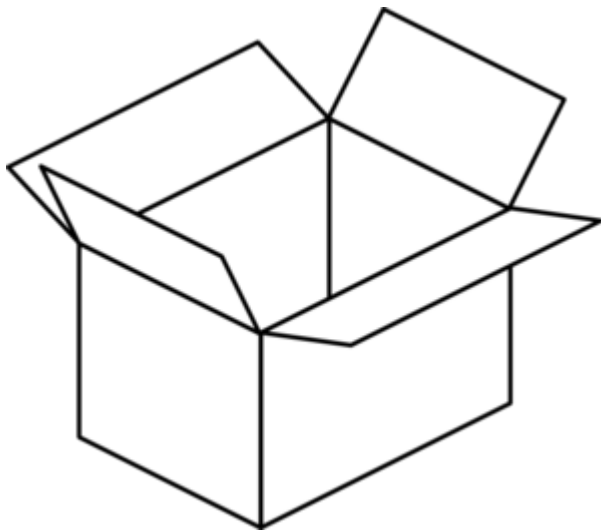
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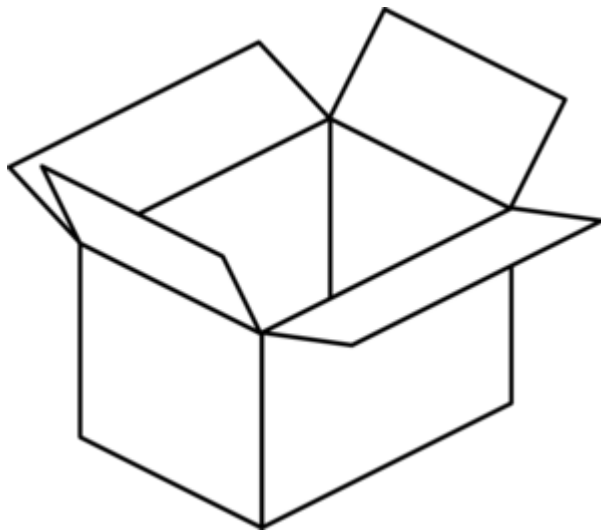
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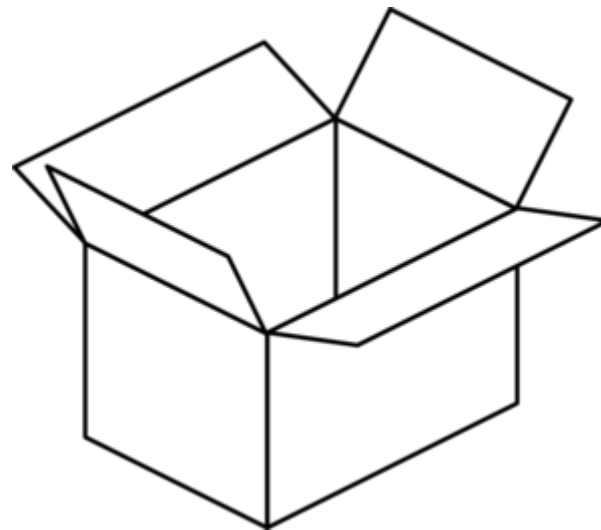
BOX CARD



BOX CARD



BOX CARD



Length: _____

Width: 3

Height: 25

Volume Practice – Box Game

Length: 18

Width: _____

Height: 9

Volume Practice – Box Game

Length: 49

Width: 6

Height: _____

Volume Practice – Box Game

Length: _____

Width: 6

Height: 45

Volume Practice – Box Game

Length: 12

Width: _____

Height: 9

Volume Practice – Box Game

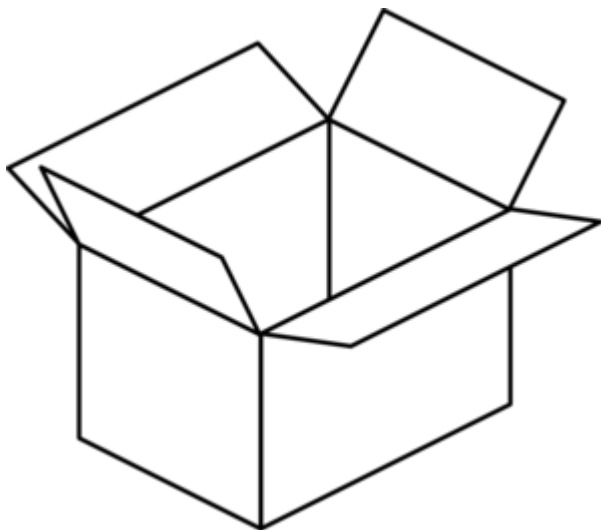
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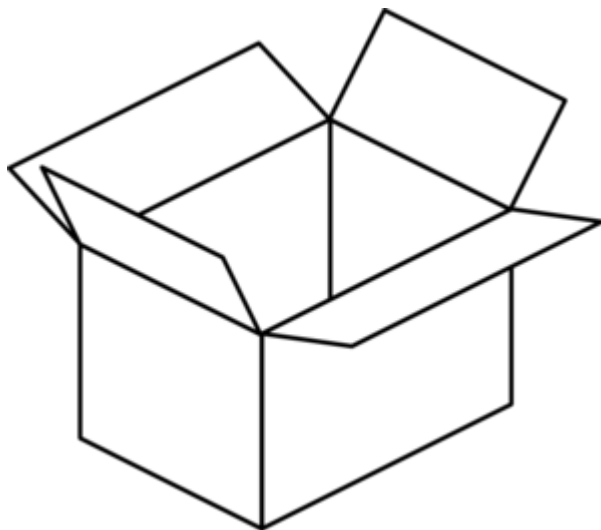
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Volume Practice – Box Game

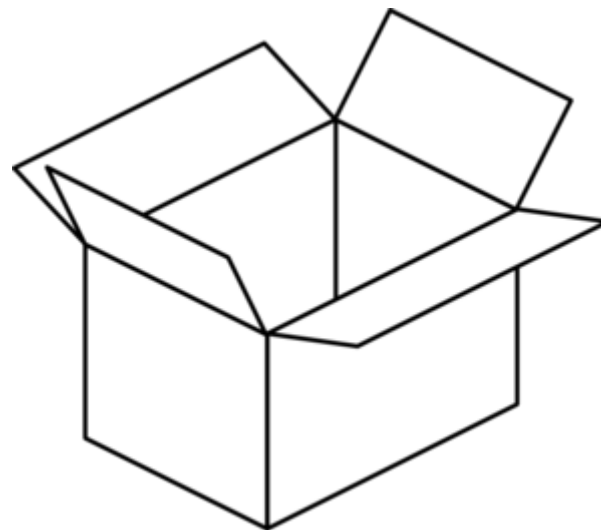
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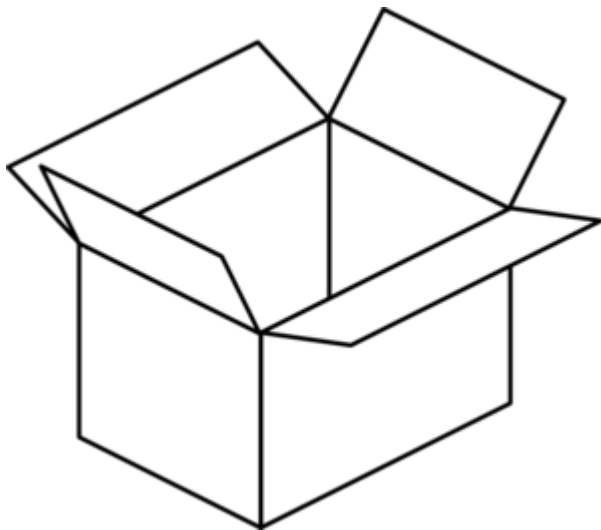
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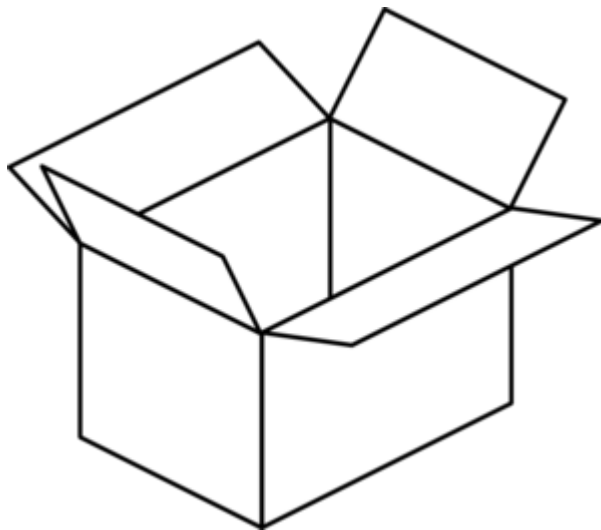
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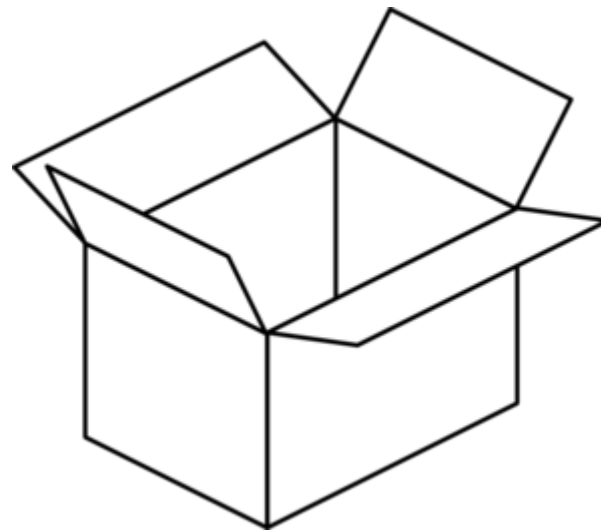
BOX CARD



BOX CARD



BOX CARD



Length: _____

Width: 4

Height: 49

Volume Practice – Box Game

Length: 24

Width: _____

Height: 7

Volume Practice – Box Game

Length: 36

Width: 3

Height: _____

Volume Practice – Box Game

Length: _____

Width: 42

Height: 6

Volume Practice – Box Game

Length: 38

Width: _____

Height: 4

Volume Practice – Box Game

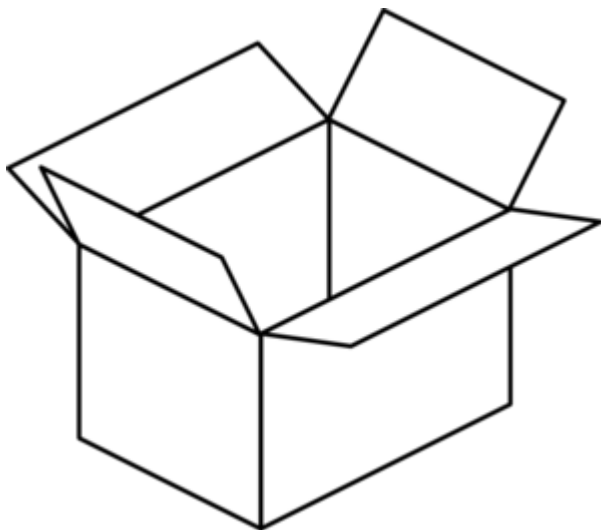
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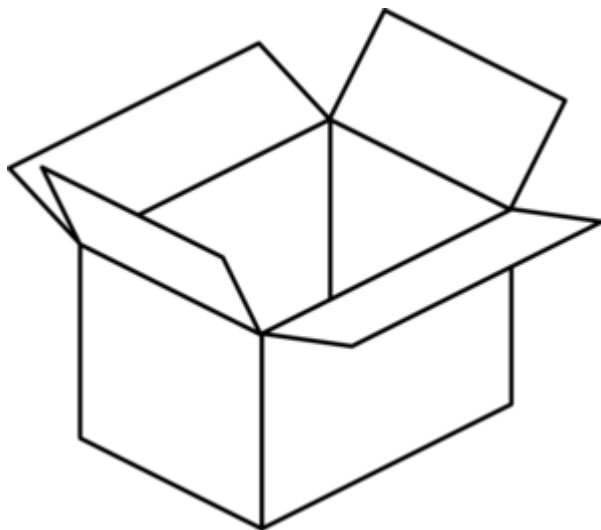
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Volume Practice – Box Game

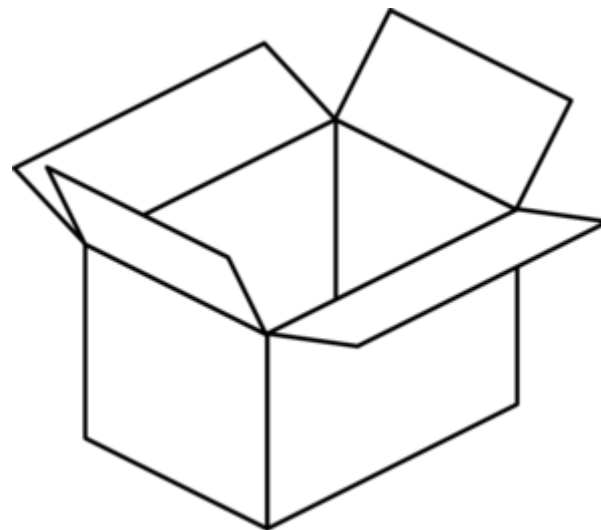
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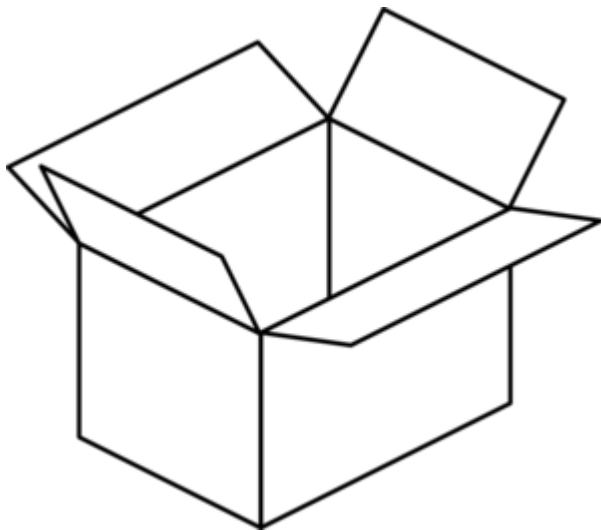
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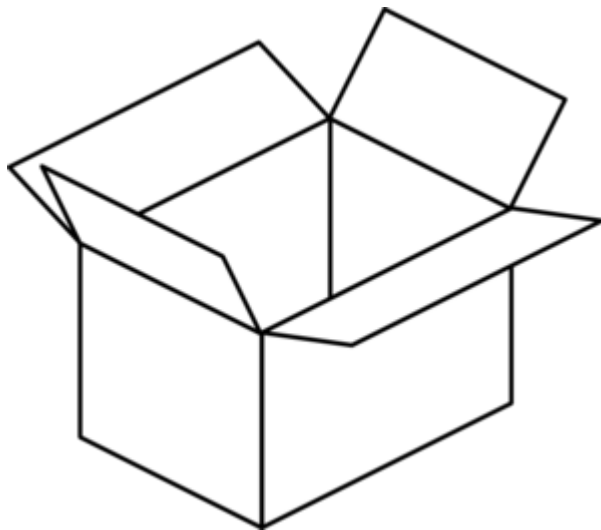
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