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__ Class: __

Storage Space

Numeric Response

1. Storage space is used for products or materials until they are utilized.

Storage Space =	Volume per Item	x Number of Items
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Item	Length	Width	Height	Volume	Number	Storage
					of Items	Space
Tool box	20 in	16 in	14 in		30	
Jars (12)	9 in	13 in	5 in		100	
Shelves	5 ft	24 in	5 ft		39	
Golf cart	10.5 ft	68 in	6 ft	-	6	

In the chart above, the dimensions for the storage containers are given. How many cubic feet of storage space is needed for all of the golf carts? Round your answer up to the next cubic foot.

2. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Item	Length	Width	Height	Volume	Number of Items	Storage Space
Tool box	23 in	18 in	12 in	S.	40	
Jars (12)	11 in	13 in	6 in		150	
Shelves	4 ft	35 in	4 ft		22	
Golf cart	11 ft	70 in	7.5 ft		8	

In the chart above, the dimensions for the storage containers are given. How many cubic feet of storage space is needed for all of the shelves? Round your answer up to the next cubic foot.

3. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Rosana Gilespie has worked at DeLorean Motor Company for 10 years. She has decided to store some products for the company. There is a storage location that charges \$69.55 per 1,000 cubic feet per month. Rosana has 545 cartons that measure 16 inches by 38 inches by 36 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost each month? Express your answer as a dollar amount to the nearest cent.

4. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Elwood McGreggor has worked at Montgomery Ward for 3 years. He has decided to store some products for the company. There is a storage location that charges \$50.87 per 1,000 cubic feet per month. Elwood has 433 cartons that measure 14 inches by 40 inches by 30 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost each month? Express your answer as a dollar amount to the nearest cent.

5. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Rosana Waldon has worked at Montgomery Ward for 13 years. She has decided to store some products for the company. There is a storage location that charges \$91.31 per 1,000 cubic feet per month. Rosana has 780 cartons that measure 14 inches by 36 inches by 29 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost each month? Express your answer as a dollar amount to the nearest cent.

6. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Rosana Kensington has worked at America Online for 11 years. She has decided to store some products for the company. There is a storage location that charges \$91.85 per 1,000 cubic feet per month. Rosana has 611 cartons that measure 12 inches by 32 inches by 25 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost for three months? Express your answer as a dollar amount to the nearest cent.

7. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Frans Kensington has worked at Showbiz Pizza for 13 years. He has decided to store some products for the company. There is a storage location that charges \$55.89 per 1,000 cubic feet per month. Frans has 236 cartons that measure 19 inches by 31 inches by 39 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost for two months? Express your answer as a dollar amount to the nearest cent.

8. Storage space is used for products or materials until they are utilized.

Storage Space = Volume per Item x Number of Items

Frans McGreggor has worked at Showbiz Pizza for 11 years. He has decided to store some products for the company. There is a storage location that charges \$54.39 per 1,000 cubic feet per month. Frans has 488 cartons that measure 16 inches by 34 inches by 34 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost for two months? Express your answer as a dollar amount to the nearest cent.

Storage Space Answer Section

NUMERIC RESPONSE

1. ANS: 2,142

PTS: 1

2. ANS: 1,027

PTS: 1

3. ANS: 486.85

PTS: 1

4. ANS: 254.35

PTS: 1

5. ANS: 639.17

PTS: 1

6. ANS: 1,102.20

PTS: 1

7. ANS: 447.12

PTS: 1

8. ANS: 652.68

PTS: 1