

Storage Space**Numeric Response**

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

$$\text{Storage Space} = \text{Volume per Item} \times \text{Number of Items}$$

| Item | Length | Width | Height | Volume | Number of Items | Storage Space |
|-----------|---------|-------|--------|--------|-----------------|---------------|
| Tool box | 21 in | 16 in | 16 in | | 50 | |
| Jars (12) | 10 in | 13 in | 5 in | | 200 | |
| Shelves | 4 ft | 29 in | 4 ft | | 34 | |
| Golf cart | 11.5 ft | 61 in | 7 ft | | 10 | |

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 jars? Round your answer up to the next cubic foot.

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

$$\text{Storage Space} = \text{Volume per Item} \times \text{Number of Items}$$

| Item | Length | Width | Height | Volume | Number of Items | Storage Space |
|-----------|--------|-------|--------|--------|-----------------|---------------|
| Tool box | 22 in | 17 in | 16 in | | 45 | |
| Jars (12) | 9 in | 12 in | 7 in | | 300 | |
| Shelves | 4 ft | 36 in | 4 ft | | 33 | |
| Golf cart | 12 ft | 61 in | 6.5 ft | | 12 | |

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 tool boxes? 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

Julie Rodriguez has worked at Showbiz Pizza for 6 years. She has decided to store some products for the company. There is a storage location that charges \$56.73 per 1,000 cubic feet per month. Julie has 775 cartons that measure 14 inches by 34 inches by 26 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.

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Elwood Kensington has worked at America Online for 3 years. He has decided to store some products for the company. There is a storage location that charges \$84.14 per 1,000 cubic feet per month. Elwood has 353 cartons that measure 15 inches by 35 inches by 31 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

Juanita Gillespie has worked at DeLorean Motor Company for 9 years. She has decided to store some products for the company. There is a storage location that charges \$91.29 per 1,000 cubic feet per month. Juanita has 501 cartons that measure 17 inches by 44 inches by 38 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

Elwood Waldon has worked at America Online for 5 years. He has decided to store some products for the company. There is a storage location that charges \$88.63 per 1,000 cubic feet per month. Elwood has 398 cartons that measure 20 inches by 35 inches by 32 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.

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

Storage Space = Volume per Item x Number of Items

Elwood McGregor has worked at DeLorean Motor Company for 16 years. He has decided to store some products for the company. There is a storage location that charges \$73.58 per 1,000 cubic feet per month. Elwood has 299 cartons that measure 13 inches by 35 inches by 33 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost for four 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

Rosana Waldon has worked at Blockbuster Video for 5 years. She has decided to store some products for the company. There is a storage location that charges \$94.77 per 1,000 cubic feet per month. Rosana has 559 cartons that measure 18 inches by 36 inches by 30 inches each. If storage space can only be purchased in 1,000 cubic feet increments, how much will storage cost for seven months? Express your answer as a dollar amount to the nearest cent.

**Storage Space
Answer Section****NUMERIC RESPONSE**

1. ANS: 76

PTS: 1

2. ANS: 156

PTS: 1

3. ANS: 340.38

PTS: 1

4. ANS: 336.56

PTS: 1

5. ANS: 821.61

PTS: 1

6. ANS: 1,063.56

PTS: 1

7. ANS: 882.96

PTS: 1

8. ANS: 4,643.73

PTS: 1

