

2-Point Holistic Rubric

Score Points:

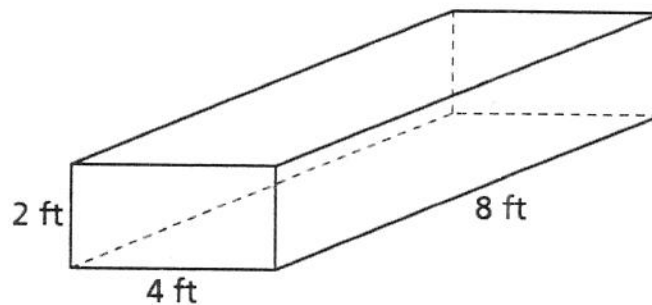
2 Points	<p>A two-point response is complete and correct.</p> <p>This response</p> <ul style="list-style-type: none">• demonstrates a thorough understanding of the mathematical concepts and/or procedures embodied in the task• indicates that the student has completed the task correctly, using mathematically sound procedures• contains clear, complete explanations and/or adequate work when required
1 Point	<p>A one-point response is only partially correct.</p> <p>This response</p> <ul style="list-style-type: none">• indicates that the student has demonstrated only a partial understanding of the mathematical concepts and/or procedures embodied in the task• addresses some elements of the task correctly but may be incomplete or contain some procedural or conceptual flaws• may contain an incorrect solution but applies a mathematically appropriate process• may contain a correct numerical answer but required work is not provided
0 Points	<p>A zero-point response is incorrect, irrelevant, incoherent, or contains a correct response arrived at using an obviously incorrect procedure. Although some parts may contain correct mathematical procedures, holistically they are not sufficient to demonstrate even a limited understanding of the mathematical concepts embodied in the task.</p>

Condition Code A

Condition Code A is applied whenever a student who is present for a test session leaves an entire open-ended item in that session blank (no response).

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the **volume**, in cubic feet, of the box?

$$V = lwh$$

Show your work.

Answer _____ cubic feet

QUESTION 27

STRAND 4: MEASUREMENT

Complete and Correct Response:

- $V = lwh$
 $V = (8)(4)(2)$
 $V = 32(2)$
OR other valid process

AND

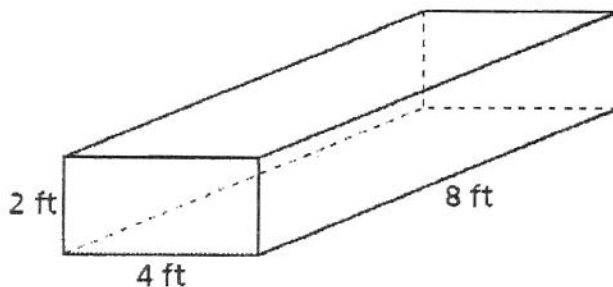
- 64 (cubic feet)

Score Points:

Apply 2-point holistic rubric.

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

Show your work.

$$\begin{array}{r} 8 \\ 2 \\ \times 4 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 26 \\ \times 4 \\ \hline 84 \end{array}$$

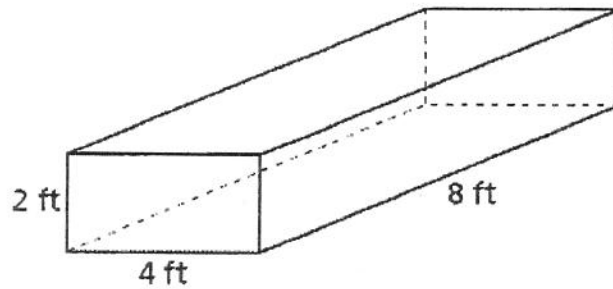
Answer 84 cubic feet

This response is only partially correct. A sound mathematical procedure is shown; however, a calculation error results in an incorrect answer.

Score Point 1 (out of 2 points)

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

Show your work.

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 2 \\ \hline 14 \end{array}$$

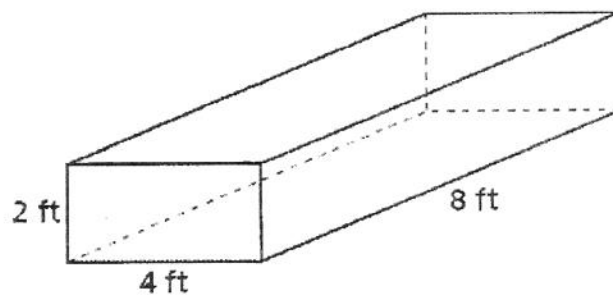
Answer 14 cubic feet

This response is incorrect. Adding the values is a conceptual error.

Score Point 0 (out of 2 points)

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

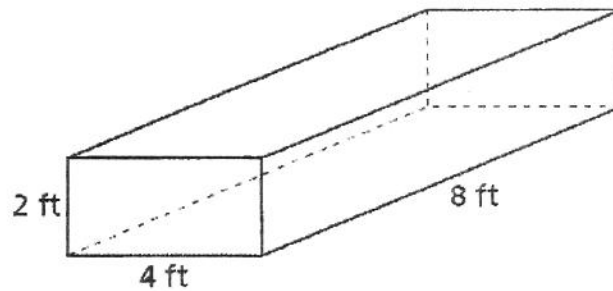
Show your work.

$$2 \times 4 = 8 \times 8 = 64$$

Answer 64 cubic feet

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

Show your work.

$$2 \times 4 = 8 \times 8 = 64$$

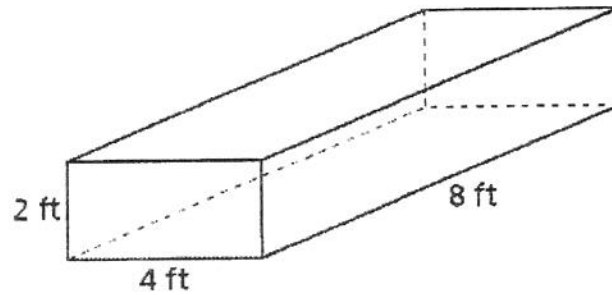
Answer 64 cubic feet

This response is only partially correct. Although a correct answer is provided, the work shown contains a run-on equation that is not an equality and demonstrates only a partial understanding of the mathematical procedures embodied in the task.

Score Point 1 (out of 2 points)

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

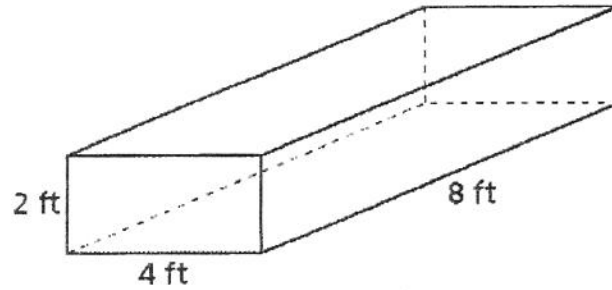
Show your work.

$$\begin{array}{r} 8 \\ 4 \\ \hline 32 \end{array} \quad \begin{array}{r} 32 \\ 2 \\ \hline 64 \end{array}$$

Answer 64 cubic feet

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

Show your work.

$$\begin{array}{r} 8 \\ 4 \\ \hline 32 \end{array} \quad \begin{array}{r} 32 \\ 2 \\ \hline 64 \end{array}$$

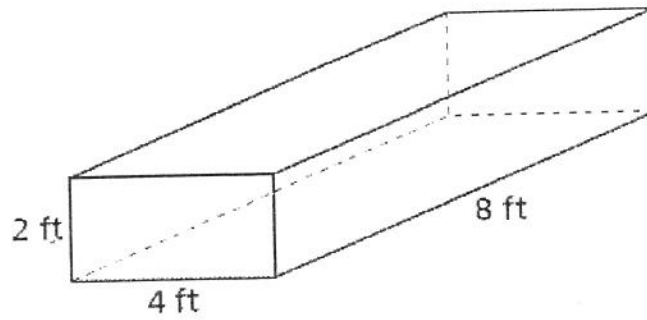
Answer 64 cubic feet

This response is complete and correct. The operation sign for multiplication is not required since the work clearly demonstrates the correct operation is being used.

Score Point 2 (out of 2 points)

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

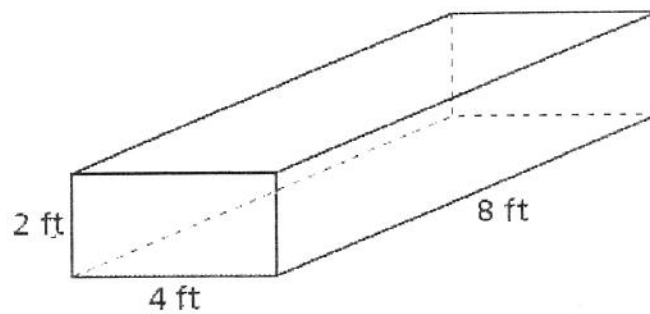
Show your work.

$$\begin{array}{r} 16 \leftarrow 8 \\ 8 \leftarrow 4 \\ 4 \leftarrow 2 \\ \hline 28 \end{array} \quad \begin{array}{r} 16 \\ 8 \\ 4 \\ \hline 28 \end{array}$$

Answer 82 cubic feet

27

The diagram below shows a box in a warehouse. The box is in the shape of a rectangular prism.



[not drawn to scale]

What is the volume, in cubic feet, of the box?

$$V = lwh$$

Show your work.

$$\begin{array}{r} 16 \quad 8 \\ 8 \quad 8 \\ 8 \quad 4 \\ 4 \quad 4 \\ 4 \quad 2 \\ 4 \quad 2 \\ \hline 28 \end{array}$$
$$\begin{array}{r} 16 \\ 8 \\ 4 \\ \hline 28 \end{array}$$

Answer 82 cubic feet

This response is incorrect.

Score Point 0 (out of 2 points)