

## Specialty Crop Ag - Math - Finding Volume

To find volume, use the following rule:  
**Volume = length x width x height**

1

A farmer builds a barn 15 feet tall, 30 feet wide, and 50 feet long. What is the volume of the barn?

- A 95 feet<sup>3</sup>
- B 500 feet<sup>3</sup>
- C 22,500 feet<sup>3</sup>
- D 36,500 feet<sup>3</sup>

2

A greenhouse that is 17 feet tall, 20 feet wide, and 20 feet long is built for a school ag program. What is the volume of the greenhouse?

- A 57 feet<sup>3</sup>
- B 417 feet<sup>3</sup>
- C 21,300 feet<sup>3</sup>
- D 68,800 feet<sup>3</sup>

3

If a machine shed has a volume of 24,000 feet<sup>3</sup> and the length is 30 ft and the height is 20 ft, what is the width of the machine shed?

- A 40 feet
- B 60 feet
- C 100 feet
- D 20 feet

4

In a lifetime, the average American will consume 2 football fields of wheat. If wheat grows 4 feet tall and a football field is 360 feet long and 160 feet wide, what is the volume of one field of wheat?

- A 460,800 feet<sup>3</sup>
- B 230,400 feet<sup>3</sup>
- C 57,600 feet<sup>3</sup>
- D 128,400 feet<sup>3</sup>

## Specialty Crop Ag - Math - Finding Volume

To find volume, use the following rule:  
**Volume = length x width x height**

5

Flats for drying herbs have a volume of 12960 inches<sup>3</sup>. If the flats are 36 inches wide and 60 inches long, how many inches tall are the flats?

- A 3 inches
- B 4 inches
- C 5 inches
- D 6 inches

6

A box in an apiary for the bees is 3 feet wide, 4 feet long, and 3 feet tall. What is the volume of the box?

- A 12 feet<sup>3</sup>
- B 9 feet<sup>3</sup>
- C 36 feet<sup>3</sup>
- D 10 feet<sup>3</sup>

7

A display stand at the Farmer's Market is 4 feet wide, 8 feet long, and 4 feet tall. What is the volume of the display stand?

- A 16 feet<sup>3</sup>
- B 128 feet<sup>3</sup>
- C 48 feet<sup>3</sup>
- D 216 feet<sup>3</sup>

8

The volume of a wagon at the pumpkin patch is 4800 in<sup>3</sup>. If the wagon is 5 inches tall and 48 inches long, how wide is the wagon?

- A 20 inches
- B 53 inches
- C 100 inches
- D 40 inches