Share and Show   Math Board

Estimate the volume.

1. Each tissue box has a volume of 125 cubic inches.

There are _____ tissue boxes in the larger box.

The estimated volume of the box holding the tissue

boxes is _____ × 125 = _____ cu in.

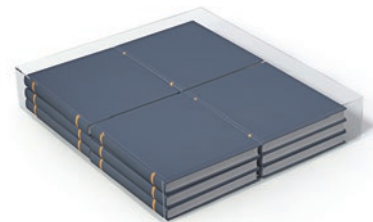**✓ 2.** Volume of chalk box: 16 cu in.

✓ 3. Volume of small jewelry box: 30 cu cm

Volume of large box: _____
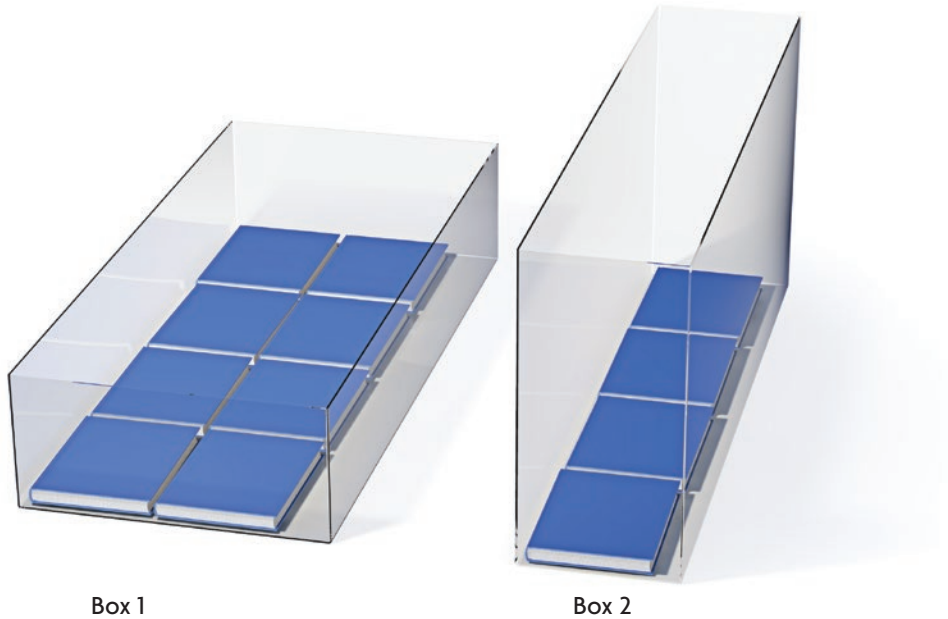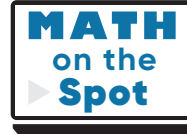
Volume of large box: _____

On Your Own

4. **MTR** Mai Jou is mailing a large box of donated books to a community center. The volume of each book is 80 cubic inches. The picture shows the number of books she put in the box. Mai Jou can fit one more layer of books in the box. About what is the volume of the box?

_____

5. Anita is collecting boxes of cereal to deliver to a food bank. The volume of each cereal box is 324 cubic inches. The picture shows the cereal boxes she has collected so far. A large delivery box holds three times as many boxes as Anita collected. About what is the volume of the delivery box?

_____

6. Marcelle estimated the volume of the two boxes below, using one of his books. His book has a volume of 48 cubic inches. Box 1 holds about 7 layers of books, and Box 2 holds about 14 layers of books. Marcelle says that the volume of either box is about the same.

Box 1   Box 2

● Does Marcelle's statement make sense or is it nonsense?
Explain your answer.

_____

_____

_____

_____

_____

_____

7. A pack of folders has a length of 12 inches, a width of 5 inches, and a height of 1 inch. The pack of folders will be shipped in a box that holds 12 packs of folders. For 7a–7c, select True or False for each statement.

7a.   Each pack of folders has a volume of 60 cubic inches.   ○ True   ○ False

7b.   The box has a volume of about 720 cubic inches.   ○ True   ○ False

7c.   If the box held 15 packs of folders, it would have a volume of about 1,200 cubic inches.   ○ True   ○ False