

Save on Packaging

The Eraser Store sells packs of 7 erasers; boxes of 7×7 , or 49 erasers; and crates of $7 \times 7 \times 7$, or 343 erasers.

The owners of the Eraser Store always use the fewest packs, boxes, and crates possible. Loose erasers are wrapped separately.

For example, if they have to ship 121 erasers, they would ship 2 boxes, 3 packs, and 2 loose erasers for a total of 7 containers.

For each shipment, write the least number of containers that would be needed. The first one has been started for you. Use it as a model to complete the others.

	Erasers to be Shipped	Number of Crates	Number of Boxes	Number of Packs	Number of Loose Erasers	Total Number of Containers
1	180	0	$3 \times 49 = 147$ That's 3 boxes.	$4 \times 7 = 28$ That's 4 packs.	5 Wrap 5 erasers.	
2	50					
3	125					
4	350					
5	1,000					
6	672					
7	800					
8	599					