



Erica helped her friend select and purchase a toy Humvee that is a replica of a real Humvee. The scale factor of the toy Humvee to the real Humvee is 1:18.

Problem 1: Use the dimensions of the toy to determine the dimensions of the real Humvee.

HUMVEE	TOY	REAL
SCALE	1	18
Diameter of the back tire	2 inches	
Length of the front bumper	$4\frac{1}{2}$ inches	
Overall length	10 inches	

Problem 2: Use the height of the real Humvee to determine the height of the toy.

HUMVEE	TOY	REAL
SCALE	1	18
Overall height		72 inches