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	A cereal company is selecting packaging for their new product Fruity Os. Both packages are rectangular prisms
	They need the package to hold at least 140 in <sup>3</sup> of cereal, and use the least amount of packaging material. Option A
	is 12 in high, 6 in long, and 2.5 in wide. Option B is 8 inches
	high, o linches long, and s linches wide.
	How much cereal will package A hold?
	How much cereal will package B hold?
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	How much cardboard will package A use?
	How much cardboard will package B require?
	vvnich package should the company choose? Why?























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	is 12 in high, 6 in long, and 2.5 in wide. Option B is 8 inches
	high, o linches long, and o linches wide.
	How much cereal will package A hold? 180 in <sup>3</sup>
	How much cereal will package B hold? 144 in <sup>3</sup>
	How much cardboard will package A require? 234 in <sup>2</sup>
	How much cardboard will package B require? 180 in <sup>2</sup>
	Which package should the company choose? Why?
	The company should choose package B. Both packages hold all
	of the cereal, but package B uses less cardboard.



