

What is a fair price?

Each bag of chips from the vending machine weighs 32g, costing 150¢.

Each Family sized bag weighs 300g, costing \$4.10.

A fair price for the vending machine chips would be 0.44 dollars.

First we did $300 \div 32 = 9.375$

Then we did $9.375 \times \$1.50 = \14.0625 This is 9.9625 dollars more!!

After that we did trial and error to get the fair price.

So we did $9.375 \times 0.25 = \$2.34375$. It was way off the normal bag.

Then we did $\$0.50 \times 9.375 = \4.6875 , which was closer to \$4.10.

Finally we did $9.375 \times \$0.44 = \4.125

That was the closest we got and it was only 25 cents off.

A fair price for the chips are 44¢.