

Big savings on Black Friday

Black Friday, the day following Thanksgiving Day, is said to be the largest shopping day in the U.S. This year it will be on November 23rd, 2018. The name, Black Friday, originated in Philadelphia, where it was used to describe the heavy and disruptive pedestrian and vehicle traffic which would occur on the day after Thanksgiving. Now it is generally accepted that Black Friday refers to the incredible volume of sales that begin the Holiday shopping season and move retailer's profits from being "in the red" (negative) to being "in the black" (positive).

Schools and employers often give the Friday after Thanksgiving as a holiday. This increases the number of shoppers that are free to show up at sales.

It's hard to plan ahead. Many stores don't start advertising this year's sales until a few days before Black Friday. Wal-Mart, the largest private retailer in the world and already has a Black Friday flyer posted.

Let's look at some of the savings that can be made on this publicized and crowded shopping day.

(Our data is from last year's Wal-Mart Black Friday flyer.)



While supplies last, this Samsung 50" TV can be purchased for \$397.00. It normally sells for \$999.99.

If you want to make sure that you get this TV at the reduced price while supplies last, you should get to the store early, long before the 6pm (Thursday) opening.

1. If you are one of the first people into the store at 6pm, how much will you save on this TV? Show your work.

2. What percent of the previous cost of this TV will you be saving? Again, show your work.



This Xbox One™ Halo 5: Guardians Limited Edition Console Bundle will be on sale while supplies last. Normally this video game console costs \$499.99 at Wal-Mart but until supplies are depleted at the Black Friday sale, it will sell for only \$349.00.

3. If you are one of the first people to reach this product at 6:01pm Thursday, how much money will you save on this product?

4. What percent of the original cost of this Xbox is your savings?



This LEGO Dimensions Starter Pack will cost \$39.99 on Black Friday ... as long as supplies last. It usually costs \$99.96.

5. If you arrive just after opening and find this set to buy, how much money will you save?

6. What percent of the present price will that be?

7. Complete my chart with the information that you have just calculated in problems 1 through 6.

Item	Original price	Black Friday price	\$ Savings	% Savings
Samsung 50" TV	\$999.99	\$397.00		
Xbox One™ Halo 5: Console Bundle	\$499.99	\$349.00		
This LEGO Dimensions Starter Pack	\$99.96	\$39.99		

8. If some of these items will be grabbed off of the shelf in the first 5 minutes of the store opening and you are afraid of being too late to grab one of the items, in what order should you visit each department to save the most money on the purchases that you want? Please explain your reasoning.

9. If you successfully pick up each of these items on your dinner-time shopping trip;
 a. How much will you have paid?

- b. How much would the original price of all of these items have been when added together?
- c. What total percent would you have saved on your first holiday shopping trip?
10. Find some Black Friday advertisements either on the computer or paper copy. What do you think is the best Black Friday deal? Clip, copy/paste or record this deal and share it with your math class after Thanksgiving break. Be sure to describe why you think it is the best of the deals that you found (or that interested you) on Black Friday.

Sources: <http://en.wikipedia.org/wiki/Walmart>
<https://www.walmart.com>