



First Name: _____ Last Name: _____ Grade: _____
Teacher: _____ Parent's email: _____

Discount

Math problems in this challenge involve the shopping and discount. Parents, take this opportunity to talk to your students about shopping and saving money using coupons. Kids, don't forget to ask parents or siblings for help if you get stuck.

Kinder & First Grade: solve at least 3 problems.
Second & Third Grade: solve at least 6 problems.
Fourth Grade and above: solve at least 12 problems.

Problems

Answer

- | | | |
|----|---|--|
| 1. | Tina is heading to the candy store with a \$5 off coupon that can be applied to any candy in the store. She is ready to purchase a bag of licorice that costs \$7.00 and a jar of jelly beans that costs \$12. How much does she have to pay at the cashier? | |
| 2. | Anna, who is a first grader, was told that a 50% discount is the same as half-price. The book she wanted was marked with 50% off sticker. The original price of the book was \$12. How much was the discounted price? | |
| 3. | Nina will use a \$5 coupon to buy a \$4 hand towel, a \$2 bar of soap, and a \$14 bathroom rug. How much does she have to pay at the cashier? | |
| 4. | Pocket calculators at "Counting On" store are on sale with 'buy 3 and the 4 th free' coupon, with no limit on the number of calculators you can buy. The pocket calculator is priced at \$5 each. Mrs. Holmen has a coupon and plan to get 8 calculators for her students. How much does she have to pay for 8 pocket calculators? | |
| 5. | A bag of dice, which has 6 dice in a bag, costs \$9. A single die costs \$2. If Mia wants to buy exactly 6 dice, how much saving will she have by buying a bag of dice? | |
| 6. | All Harry Potter books at XY Books are on sale. The original price of each book was \$9. There is a discount of \$2 off for each book. If Angie wants to buy all 7 Harry Potter books, how much does she have to pay? | |
| 7. | The ham and cheese sandwich at the local deli costs \$3.75. A fountain drink costs \$1.20 and a bag of chips costs \$0.75. If you buy a package meal (ham and cheese sandwich, a drink, and a bag of chips), it will cost you \$5.00. How much do you save if you buy the package meal? | |
| 8. | Lynn paid for her meal with 2 five dollar bills. The price of her meal was \$9.50 but she got a discount, and received a dollar bill, a quarter, and a nickel in change. How much was the discount? | |

9. A notebook regularly sells for \$3. It is now discounted by 50%. Elly needs to buy 20 notebooks for her new students. How much does she have to pay for the 20 notebooks?

10. After 50% discount, the jacket that Thea wants is only \$29.95. What is the original price of the jacket?

11. A toy with an original price of \$24 was discounted by 30%. What was the discounted price?

12. A mini speaker was on sale for 30% off now priced at \$21. What was the original price?

13. In a video store, a DVD that sells for \$15 is marked, "10% off". Danny bought 12 DVDs. How much did he have to pay?

14. A \$1000 computer was discounted at 40% off. Today, it's marked with "additional 10% off." How much is the price of the computer today?

15. Nithya went shopping this past weekend to buy some new summer clothes. At the first store she used a "15% off of your purchase" coupon on the 2 pairs of shorts that she bought. If the original price of each pair of shorts was \$30 and sales tax is 5%, what was the total purchase price, in dollars? Sales tax is calculated after the discount applied.

16. *(Continue from problem 15)*
At the next store, Nithya bought a dress and used 2 coupons, one for 20% off and one for 10% off. How much more would she save by using the 20% coupon followed by the 10% coupon than if she had used the 10% coupon followed by the 20% coupon?

17. *(Continue from problem 15 and 16)*
After making a few more stops and making a few more purchases, Nithya went home. When going through her closet she realized that she now has 9 pairs of shorts, 12 shirts, and 3 belts. If an outfit must consist of a pair of shorts and a shirt, and may or may not include a belt, how many possible outfits can Nithya make?

18. Tony is getting a new pair of shoes. The first pair costs \$70.89 and is on sale at 9.5% off. The second pair he tries costs \$79.89 and is on sale at 25% off. Which shoes is cheaper, and by how much?