

Math Challenge #5



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

MONEY

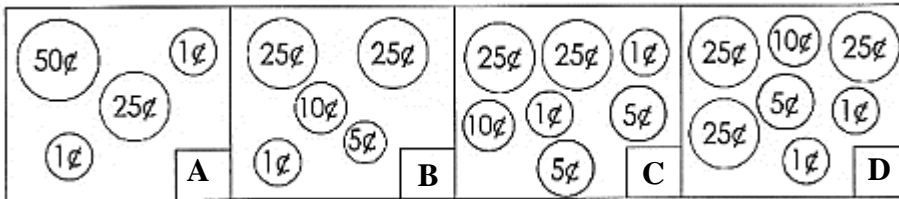
There are more math problems involving coins and money. This topic provides students with some real-life money problems we face everyday. Enjoy the challenge!

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. Which set has the least amount of money?




2. Maya has two 10-dollar bills and six one-dollar bills. Emma has two 5-dollar bills and five one-dollar bills. Who has more money? How much more?

3.  Nick had 3 quarters. He spent 40¢ for a popsicle. How much money did he have left?

4. Tracy would like to exchange all her quarters with one-dollar bills. She has a total of 12 quarters. How many one-dollar bills would she get?



5. James had some money. After paying for a puzzle set with four 5-dollar bills, he has \$16 left. How much money did he have at first?

6.  Before her grandma gave her \$10, Sahana had 3 one-dollar bills and 2 five-dollar bills. She cracked open her piggy bank to get additional money needed to purchase the teddy bear and the doll on the display. How much money was on her piggy bank?

7. Would you rather have 37 quarters or 186 nickels?

8. Sheila said, "I lost 3 coins. I had \$5.96. Now I only have 1 five-dollar bill, 2 quarters, 2 dimes, 1 nickel and 1 penny." What coins did Sheila lose?

9. Pam has \$2.50 in quarters and \$0.95 in nickels. How many coins does she have?

10. Sara went to the mall to buy her family presents. She spent \$20.00 of her money on a gift for her mother, then half of her remaining money on a gift for her dad. Sara's last gift, for her brother, cost her \$15.00. She left with \$10.00. How much money did she start with?
Hint: Work backward or draw a model

11. Three friends saved a total of \$363. Ananya saved \$60 more than Trishaa. Sanjana saved \$39 more than Ananya. How much the total amount saved by Sanjana and Trishaa?
Hint: Draw a model

12. Nora has \$14.15 and Tina has \$49.85. How much money must Tina give to Nora so that each of them will have the same amount of money?
Hint: Draw a model

13. Fifty students have to pay \$30 each to charter a bus. If there are only 40 students and the cost to charter a bus remains the same how much will each student need to pay?

14. The total cost of 3 bracelets and 3 pairs of earrings is \$360. The total cost of 10 bracelets and 2 pairs of earrings is \$724. What is the cost of each pair of earrings.

15. Diane and Julie had the same amount of savings. After Diane spent \$4800 from her savings, and Julie spent \$3200, Julie had three times as much money left as Diane. How much savings did each one of the have at first?
Hint: Draw a model

16. In an envelope, there were a total of 400 bills. 40% of them were \$5 bills. The rest were \$2 bills. Sarah took out some \$5 bills. As a result, the remaining \$5 bills made up only 20% of the total bills left in the envelope. Find the total value of the \$5 bills Sarah took out from the envelope.

17. Mr. Ganesh bought 500 oranges at 20 cents each. He threw away 16% of the oranges which were rotten and sold the rest at 6 oranges for \$2. How much profit (if any) did he make?
*Hint: ask an adult about **profit**.*

18. Mr. Heinz bought 40 boxes of cupcakes at the price of \$12 per box. He gave 30 of these cupcakes to his 4th grade class and sold the rest at \$3 each to raise money for the class field trip. After he got reimbursement from paying the total cost of the cupcakes, he made a profit of \$270, which is the amount raised for the field trip. Find the number of cupcakes in each box.