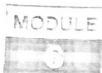


Name _____ Date _____ Class _____



Expressions and Equations

11. Beth has \$108.50 in her bank account. She buys x shirts for \$5.50 each. Write and solve an equation Beth can use to find how many shirts she can buy.
- _____
12. What is the solution to the equation below?
- $$-\frac{2}{3}x = 20$$
- _____
13. Morgan used the equation below to find the number of mini netbooks she could purchase to fit her budget.
- $$87.5x = 350$$
- How many mini netbooks can Morgan buy?
- _____
14. Guillermo bought some reams of paper for \$5 each and a \$200 printer. He spent a total of \$450. Write and solve an equation to find the number of reams of paper Guillermo purchased.
- _____
15. Tallulah has 40 dimes and some nickels. The total value of her change is \$5.00. How many nickels does Tallulah have?
- _____
16. Dexter wrote the equation below to find the number of hours he would need to work at \$10 an hour to save \$300.
- $$10x + 160 = 300$$
- According to this equation, how much money did Dexter already have saved before he started working?
- _____
17. Nadya solved the equation $4x - 4 = 20$. Her work is shown below.
- Step 1: $4x - 4 = 20$
 Step 2: $4x = 16$
 Step 3: $x = 4$
- Where did Nadya make an error in her calculation? Explain.
- _____
- _____
18. Consuela earns a salary of \$40,000 per year plus a commission of \$1,000 for each car she sells. Write and solve an equation that shows the number of cars Consuela must sell in order to make \$60,000 in one year.
- _____
19. What is the absolute value of -200 ?
- _____
20. Shilpa earned 100 points in the first round of a game. She earned 20 points in each of the following rounds of the game. She ended the game with 400 points. Write and solve an equation to find the number of rounds Shilpa played.
- _____
21. Benjamin rides the train to work. He spends \$2.75 per ride. His monthly budget for riding the train is \$80. Write an equation that shows the number of times, n , Benjamin can ride the train each month.
- _____
22. Solve the equation below for y .
- $$\frac{5}{6}y = 12$$
- _____