



Two-step equations - word problems - integers

- 1) The sum of three consecutive even numbers is 66. What is the smallest of these numbers?
- 2) Beth sold half of her comic books and then bought nine more. She now has 28. With how many did she begin?
- 3) 304 students went on a field trip. Seven buses were filled and 17 students traveled in cars. How many students were in each bus?
- 4) Shanice won 88 pieces of gum playing the bean bag toss at the county fair. At school she gave four to every student in her math class. She only has 8 remaining. How many students are in her class?
- 5) The sum of three consecutive odd numbers is 63. What is the smallest of these numbers?
- 6) A wise man once said, "400 reduced by 3 times my age is 163." What is his age?

7) Cody's Bikes rents bikes for \$18 plus \$5 per hour. Mofor paid \$48 to rent a bike. For how many hours did he rent the bike?

8) A wise man once said, "400 reduced by 3 times my age is 112." What is his age?

9) How old am I if 200 reduced by 2 times my age is 16?

10) Anjali spent half of her weekly allowance at the movies. To earn more money her parents let her clean the windows in the house for \$5. What is her weekly allowance if she ended with \$8?

11) A wise man once said, "300 reduced by twice my age is 192." What is his age?

12) Stefan spent half of his weekly allowance on clothes. To earn more money his parents let him wash the car for \$5. What is his weekly allowance if he ended with \$15?

- 13) Wilbur sold half of his comic books and then bought fourteen more. He now has 24. With how many did he begin?
- 14) You bought a magazine for \$6 and some notepads for \$3 each. You spent a total of \$18. How many notepads did you buy?
- 15) Ryan had \$20 to spend on three pens. After buying them he had \$8. How much did each pen cost?
- 16) Ryan spent half of his weekly allowance playing mini-golf. To earn more money his parents let him clean the gutters for \$9. What is his weekly allowance if he ended with \$17?
- 17) Natalie spent half of her weekly allowance at the movies. To earn more money her parents let her weed the garden for \$10. What is her weekly allowance if she ended with \$15?
- 18) Norachai rented a bike from Lisa's Bikes. It cost \$17 plus \$6 per hour. If Norachai paid \$29 then he rented the bike for how many hours?

19) A wise man once said, "300 reduced by 3 times my age is 33." What is his age?

20) Shanice spent half of her weekly allowance on clothes. To earn more money her parents let her clean the gutters for \$7. What is her weekly allowance if she ended with \$14?

21) How old am I if 300 reduced by 3 times my age is 72?

22) Daniel won 55 pieces of gum playing basketball at his school's game night. Later, he gave two to each of his friends. He only has 3 remaining. How many friends does he have?

23) Sumalee spent half of her weekly allowance buying pizza. To earn more money her parents let her clean the oven for \$10. What is her weekly allowance if she ended with \$19?

24) 231 students went on a field trip. Nine buses were filled and 15 students traveled in cars. How many students were in each bus?

25) You bought a magazine for \$3 and five notepads. You spent a total of \$28. How much did each notepad cost?

26) Mark won 79 lollipops playing hoops at his school's game night. Later, he gave three to each of his friends. He only has 4 remaining. How many friends does he have?

27) Lisa won 64 pieces of gum playing hoops at her school's game night. Later, she gave three to each of her friends. She only has 7 remaining. How many friends does she have?

28) Cody won 107 lollipops playing basketball at the county fair. At school he gave four to every student in his math class. He only has 7 remaining. How many students are in his class?

29) Castel was going to sell all of his stamp collection to buy a video game. After selling half of them he changed his mind. He then bought nine more. How many did he start with if he now has 36?

30) Half of your baseball card collection got wet and was ruined. You bought 9 cards to replace some that were lost. How many did you begin with if you now have 19?

Answers to Two-step equations - word problems - integers

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| 1) 20 | 2) 38 | 3) 41 | 4) 20 |
| 5) 19 | 6) 79 | 7) 6 | 8) 96 |
| 9) 92 | 10) \$6 | 11) 54 | 12) \$20 |
| 13) 20 | 14) 4 | 15) \$4 | 16) \$16 |
| 17) \$10 | 18) 2 | 19) 89 | 20) \$14 |
| 21) 76 | 22) 26 | 23) \$18 | 24) 24 |
| 25) \$5 | 26) 25 | 27) 19 | 28) 25 |
| 29) 54 | 30) 20 | | |