



## Two-step equations - word problems - integers

- 1) Shanice had \$20 to spend on seven raffle tickets. After buying them she had \$6. How much did each raffle ticket cost?
- 2) The sum of three consecutive odd numbers is 93. What is the smallest of these numbers?
- 3) Danielle spent \$35 on a magazine and some notepads. If the magazine cost \$3 and each notepad cost \$4 then how many notepads did she buy?
- 4) Cody spent half of his weekly allowance on candy. To earn more money his parents let him wash the car for \$7. What is his weekly allowance if he ended with \$17?
- 5) Ashley spent half of her weekly allowance playing mini-golf. To earn more money her parents let her wash the car for \$9. What is her weekly allowance if she ended with \$15?
- 6) Eugene spent \$14 on a magazine and some candy bars. If the magazine cost \$6 and each candy bar cost \$2 then how many candy bars did he buy?

- 7) Kali spent half of her weekly allowance on clothes. To earn more money her parents let her clean the gutters for \$9. What is her weekly allowance if she ended with \$13?
- 8) Eduardo rented a bike from James' Bikes. It cost \$19 plus \$6 per hour. If Eduardo paid \$49 then he rented the bike for how many hours?
- 9) Shawna's Bikes rents bikes for \$19 plus \$4 per hour. Lea paid \$39 to rent a bike. For how many hours did she rent the bike?
- 10) Mofor had \$21 to spend on two notebooks. After buying them he had \$13. How much did each notebook cost?
- 11) Ashley was going to sell all of her stamp collection to buy a video game. After selling half of them she changed her mind. She then bought nine more. How many did she start with if she now has 39?
- 12) Norachai spent \$13 on a magazine and some erasers. If the magazine cost \$4 and each eraser cost \$3 then how many erasers did he buy?

- 13) Daniel sold half of his comic books and then bought sixteen more. He now has 37. With how many did he begin?
- 14) You bought a magazine for \$6 and three candy bars. You spent a total of \$12. How much did each candy bar cost?
- 15) Shawna had \$20 to spend on six pencils. After buying them she had \$2. How much did each pencil cost?
- 16) Jennifer rented a bike from Carlos' Bikes. It cost \$19 plus \$4 per hour. If Jennifer paid \$35 then she rented the bike for how many hours?
- 17) Willie spent half of his weekly allowance playing arcade games. To earn more money his parents let him mow the lawn for \$4. What is his weekly allowance if he ended with \$12?
- 18) Brenda rented a bike from DeShawn's Bikes. It cost \$10 plus \$6 per hour. If Brenda paid \$46 then she rented the bike for how many hours?

19) Kim spent \$26 on a magazine and six notepads. If the magazine cost \$2 then how much was each notepad?

20) Carlos spent half of his weekly allowance at the movies. To earn more money his parents let him weed the garden for \$7. What is his weekly allowance if he ended with \$16?

21) Joe 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 eleven more. How many did he start with if he now has 30?

22) You bought a magazine for \$2 and some candy bars for \$5 each. You spent a total of \$12. How many candy bars did you buy?

23) Jasmine was going to sell all of her stamp collection to buy a video game. After selling half of them she changed her mind. She then bought four more. How many did she start with if she now has 16?

24) Half of your baseball card collection got wet and was ruined. You bought 4 cards to replace some that were lost. How many did you begin with if you now have 33?

- 25) The sum of three consecutive odd numbers is 45. What is the smallest of these numbers?
- 26) Rob spent half of his weekly allowance playing arcade games. To earn more money his parents let him clean the gutters for \$6. What is his weekly allowance if he ended with \$11?
- 27) Gabriella rented a bike from Jaidee's Bikes. It cost \$14 plus \$6 per hour. If Gabriella paid \$26 then she rented the bike for how many hours?
- 28) Pranav spent half of his weekly allowance on candy. To earn more money his parents let him clean the gutters for \$6. What is his weekly allowance if he ended with \$13?
- 29) Ming's Bikes rents bikes for \$15 plus \$7 per hour. Mofor paid \$29 to rent a bike. For how many hours did he rent the bike?
- 30) Stefan 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 ten more. How many did he start with if he now has 34?

## Answers to Two-step equations - word problems - integers

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|----------|----------|---------|----------|
| 1) \$2   | 2) 29    | 3) 8    | 4) \$20  |
| 5) \$12  | 6) 4     | 7) \$8  | 8) 5     |
| 9) 5     | 10) \$4  | 11) 60  | 12) 3    |
| 13) 42   | 14) \$2  | 15) \$3 | 16) 4    |
| 17) \$16 | 18) 6    | 19) \$4 | 20) \$18 |
| 21) 38   | 22) 2    | 23) 24  | 24) 58   |
| 25) 13   | 26) \$10 | 27) 2   | 28) \$14 |
| 29) 2    | 30) 48   |         |          |