



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 | | |