



## Two-step equations - word problems - decimals

- 1) Mike's Bikes rents bikes for \$16.42 plus \$2.51 per hour. Anjali paid \$26.46 to rent a bike. For how many hours did she rent the bike?
- 2) You had \$23.89 to spend on three notebooks. After buying them you had \$14.02. How much did each notebook cost?
- 3) The sum of three consecutive odd numbers is 75. What is the smallest of these numbers?
- 4) You had \$20.26 to spend on three pencils. After buying them you had \$8.41. How much did each pencil cost?
- 5) 398 students went on a field trip. Nine buses were filled and 29 students traveled in cars. How many students were in each bus?
- 6) The sum of three consecutive numbers is 42. What is the smallest of these numbers?

7) Ted had \$20.83 to spend on four notebooks. After buying them he had \$7.19. How much did each notebook cost?

8) The sum of three consecutive numbers is 60. What is the smallest of these numbers?

9) For a field trip 5 students rode in cars and the rest filled three buses. How many students were in each bus if 113 students were on the trip?

10) Alberto rented a bike from Paul's Bikes. It cost \$19.48 plus \$5.18 per hour. If Alberto paid \$35.02 then he rented the bike for how many hours?

11) Paul rented a bike from Dan's Bikes. It cost \$14.46 plus \$3.83 per hour. If Paul paid \$33.61 then he rented the bike for how many hours?

12) Paul's Bikes rents bikes for \$15.70 plus \$2.98 per hour. Gabriella paid \$33.58 to rent a bike. For how many hours did she rent the bike?

13) For a field trip 9 students rode in cars and the rest filled seven buses. How many students were in each bus if 149 students were on the trip?

14) You had \$21 to spend on three avocados. After buying them you had \$11.70. How much did each avocado cost?

15) The sum of three consecutive even numbers is 36. What is the smallest of these numbers?

16) You bought a magazine for \$5.90 and seven erasers. You spent a total of \$39.50. How much did each eraser cost?

17) Shayna rented a bike from Jessica's Bikes. It cost \$11.50 plus \$7.40 per hour. If Shayna paid \$41.10 then she rented the bike for how many hours?

18) You bought a magazine for \$5.10 and eight candy bars. You spent a total of \$28.30. How much did each candy bar cost?

19) You bought a magazine for \$6.70 and seven candy bars. You spent a total of \$41.70. How much did each candy bar cost?

20) You had \$22.20 to spend on five pencils. After buying them you had \$12.20. How much did each pencil cost?

21) Carlos rented a bike from Perry's Bikes. It cost \$11.30 plus \$7.80 per hour. If Carlos paid \$65.90 then he rented the bike for how many hours?

22) The sum of three consecutive numbers is 66. What is the smallest of these numbers?

23) 264 students went on a field trip. Eight buses were filled and 16 students traveled in cars. How many students were in each bus?

24) You had \$22.20 to spend on four pencils. After buying them you had \$7.40. How much did each pencil cost?

25) You had \$21 to spend on three notebooks. After buying them you had \$12.60. How much did each notebook cost?

26) Amanda's Bikes rents bikes for \$15.70 plus \$2.90 per hour. Mark paid \$21.50 to rent a bike. For how many hours did he rent the bike?

27) For a field trip 14 students rode in cars and the rest filled eight buses. How many students were in each bus if 254 students were on the trip?

28) The sum of three consecutive numbers is 72. What is the smallest of these numbers?

29) Lisa had \$20.50 to spend on eight pens. After buying them she had \$2.90. How much did each pen cost?

30) You had \$21 to spend on eight advocados. After buying them you had \$5. How much did each advocado cost?

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

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|------------|------------|-----------|------------|
| 1) 4       | 2) \$3.29  | 3) 23     | 4) \$3.95  |
| 5) 41      | 6) 13      | 7) \$3.41 | 8) 19      |
| 9) 36      | 10) 3      | 11) 5     | 12) 6      |
| 13) 20     | 14) \$3.10 | 15) 10    | 16) \$4.80 |
| 17) 4      | 18) \$2.90 | 19) \$5   | 20) \$2    |
| 21) 7      | 22) 21     | 23) 31    | 24) \$3.70 |
| 25) \$2.80 | 26) 2      | 27) 30    | 28) 23     |
| 29) \$2.20 | 30) \$2    |           |            |