



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 avocados. After buying them you had \$5. How much did each avocado 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 | | |