

3. In a certain school  $\frac{1}{3}$  of the students are boys. Find the number of students in the school if 436 of them are boys.
4. Linnie weighs one-third as much as her father. If Linnie weighs 73 pounds, how much does her father weigh?
5. An airplane's altimeter reads 2,546 feet. What is the airplane's altitude if this reading is 3.5 feet less than the true reading?
6. In checking a patient's pulse rate at 6:00 A.M., Nurse Perlman found that the rate was 7 beats less per minute than the rate recorded at 8:00 P.M. the previous night. If Miss Perlman found the pulse rate to be 72 beats per minute, what was the rate recorded the previous night?
7. On Sunday morning, a copy of the *Times* costs 30 cents more than a copy of the *News*. Mr. Donnelly, who buys both papers, spends 70 cents for the Sunday editions. How much does a copy of each paper cost on Sunday?
8. Together, a house and lot cost \$40,000. The house cost seven times as much as the lot. How much did the lot cost? the house?
9. In an election for town clerk, 584 people voted for one or the other of the two candidates. The winner received 122 votes more than her opponent. How many people voted for the winner?
10. Professor Landers took 55 minutes to drive from her home to the University and back. The return drive took 7 minutes less than the trip to the University. How long did it take her each way?
11. Tom rides the school bus part way and walks the remainder. He walks 3 minutes longer than he rides. If it takes Tom 17 minutes to arrive at school, how long does he spend on the bus?
12. John spent 7 hours on the lake. If he sailed his boat for two more hours than he fished, how long did he sail?
13. Water is a compound made up of 8 parts by weight of oxygen and 1 part by weight of hydrogen. How many grams of hydrogen are there in 225 grams of water?
14. On a 600-mile trip, Mrs. Seda traveled by automobile and airplane. If she traveled seven times farther by airplane than by automobile, how far did she travel by automobile?
15. Mr. Brown will need 186 ft. of fence to enclose his rectangular yard. If the length of his yard is 9 feet more than the width, what are the dimensions of his yard?
16. The width of a rectangle is 7 centimeters less than the length. If the perimeter is 410 centimeters, what are the dimensions of the rectangle?
17. The sum of twice a number and 27 is 51. Find the number.
18. The sum of three times a number and 11 is -13. Find the number.
19. Four times a number diminished by 27 is 45. Find the number.
20. Find a number such that 93 less than twice the number is 59.