

Name \_\_\_\_\_

Date \_\_\_\_\_

### Using Proportions to Solve Word Problems



1. The ratio of number of boys to girls in a classroom is 6 to 5. If there are a total of 48 boys in the classroom, find the number of girls in the classroom?
2. The ratio of the number of bar magnet to horse shoe magnet is 2 to 5. If there are 10 bar magnets, find the number of horse shoe magnets?
3. On a desk, the ratio of HB pencils to 6B pencils is 3 to 4. If there are a total of 12 HB pencils, find the number of 6B pencils on the desk?
4. The ratio of neutrons in the nucleus of atom A to atom B is 6 to 7. If there are 54 neutrons in the nucleus of atom A, find the number of neutrons in the atom B?
5. The ratio of vowels present in two words is 3 to 5. If the first word contains 6 vowels, find the number of vowels in the second word?
6. The ratio of letters in two words is 5 to 2. If there are 15 letters in the first word, find the number of letters in the second word?
7. The ratio of the number of cats to dog is 1 to 8. If there are 2 cats, then find the number of dogs present?