

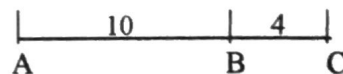
EXERCISES

Write each ratio as a fraction in lowest terms.

1. 5 to 8 2. 8 to 5 3. 6 to 9 4. 9 to 6 5. 12 : 10 6. 10 : 12
 7. 18 : 24 8. 27 : 15 9. 8 to 2 10. 2 to 8 11. 5 : 25 12. $\overline{25} : 5$
 13. 3.5 : 4.5 14. 4.5 : 3.5 15. 2.4 to 3.2 16. 3.2 to 2.4 17. 4.2 : 7 18. 7 to 4.2
 19. 3.12 : 1.2 20. 3.15 : 10 21. 2.25 : 20 22. 10 to 2.4 23. $\frac{1}{3}$ to 0.4 24. 4.2 : $\frac{2}{3}$
 25. $\frac{1}{3} : \frac{1}{4}$ 26. $\frac{1}{4} : \frac{1}{3}$ 27. $\frac{3}{4}$ to $\frac{3}{8}$ 28. $\frac{3}{8}$ to $\frac{8}{3}$ 29. $3\frac{3}{4} : 2\frac{1}{7}$ 30. $2\frac{2}{3}$ to 6
 31. 60 minutes to 20 minutes 32. 20 minutes to one hour 33. 8 days to 2 weeks
 34. 3 minutes to 90 seconds 35. 1 year : 5 months 36. 16 feet to 6 feet
 37. 2 dollars to 60 cents 38. 3 days : 48 hours 39. 4 meters : 150 centimeters
 40. 12 out of 48 boys 41. 25 out of 60 students 42. 12 out of 20 free throws

43. A line segment is shown below. Find each ratio as a fraction in lowest terms.

a. $\overline{AB} : \overline{BC}$ b. $\overline{BC} : \overline{AB}$ c. $\overline{AB} : \overline{AC}$



44. A baseball team won 15 games and lost 6 games. Find each ratio as a fraction in lowest terms a. wins to losses b. losses to wins c. wins to total d. losses to total
 45. The population of a city is 150,000 in 1990 and 250,000 in 2000. Find the ratio (in lowest terms) of the growth of the population to its population in 2000.
 46. Ronald can finish the job in 6 hours. What part of the job can he finish in 2 hours ?
 47. The cost of a first-class letter is 35 cents. The cost of an express letter is \$1.25. Find the ratio (in lowest terms) to compare the cost of a first-class letter to the cost of an express letter.
 48. There are 80 apples in a bag. 5 of them are overripe. How many apples on average are there to have one overripe apple ?
 49. There are 42 students in a class. 14 of them wear glasses. How many students on average are there to have one student wearing glasses ?
 50. A 12-liter salt-water solution contains 2 liters of pure salt. What part (ratio) of the solution is pure salt ?
 51. You drive 250 miles on 4 gallons of gasoline. Find the rate of fuel consumption in miles per gallon.
 52. You drive 313 miles in 5 hours. What is your average speed ? At that rate, how many miles could you drive in 7 hours ?
 53. What is the unit price if 12 eggs sell for \$2.16 ? How many eggs could you buy for \$18 ?
 54. A can of 3 lb of A-brand ground beef costs \$9.75. A can of 4 lb of B-brand ground beef costs \$12.60. Based on the unit price only, which brand is the better buy ?
 55. You spent \$8.10 for 6 gallons of gasoline. How much would you spend for 22 gallons ?