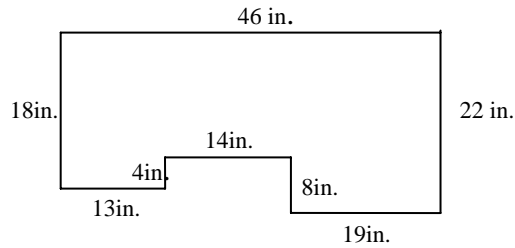
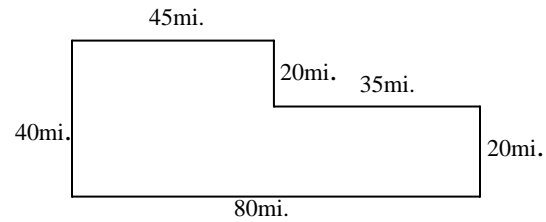


(Textbook Page 535 Problem 4)

1. Find the perimeter of the polygon.

*(Workbook Page 228 Problem 6)*

2. Find the perimeter of the polygon.

*(Textbook Page 290 Problem 7)*

3. Perform the indicated operation:

$$3\frac{1}{2} \cdot 4\frac{2}{3}$$

(Workbook Page 130 Problem 9)

4. Perform the indicated operation:

$$10\frac{3}{5} \cdot 4\frac{3}{8}$$

(Textbook Page 360 Problem 20)

5. Solve for x:
- $3x + 4 = 11x - 6$

(Workbook Page 161 Problem 13)

6. Solve for y:
- $2y + 1 = 6y - 6$

(Textbook Page 241 Problem 22)

7. Perform the indicated operation:

$$\frac{7}{8} + \frac{1}{16}$$

(Workbook Page 106 Problem 11)

8. Perform the indicated operation:

$$\frac{3}{4} + \frac{5}{8}$$

(Textbook Page 290 Problem 13)

9. Perform the indicated operation:

$$30 \div 2\frac{3}{5}$$

(Workbook Page 130 Problem 10)

10. Perform the indicated operation:

$$20 \div 3\frac{3}{4}$$

(Textbook Page 224 Problem 61)

11. Solve: $\frac{2}{3}x = 160$

(Textbook Page 128 Problem 81)

13. Cindi's Ford Focus gets 32 mpg (miles per gallon). How many gallons will it take to travel 384 mi?

(Textbook Page 134 Problem 23)

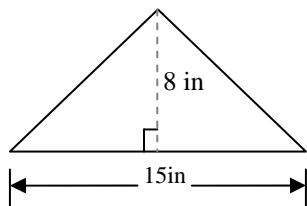
15. Evaluate: $9a + 9b$, for $a = 13$ and $b = -13$

(Textbook Page 535 Problem 15)

17. A security fence is to be built around a 173-m by 240-m rectangular field. What is the perimeter of the field? If 5-ft-high galvanized fence wire costs \$7.29 per meter, what will the fencing cost?

(Textbook Page 544 Problem 23)

19. Find the area:



(Textbook Page 113 Problem 57)

21. Simplify: $7 - (-5) + 4 - (-3)$

(Textbook Page 218 Problem 3)

12. Solve for a: $\frac{7}{3}a = 21$

(Textbook Page 128 Problem 83)

14. A 7-oz bag of tortilla chips contains 1050 calories. How many calories are in a 1-oz serving?

(Textbook Page 155 Problem 28)

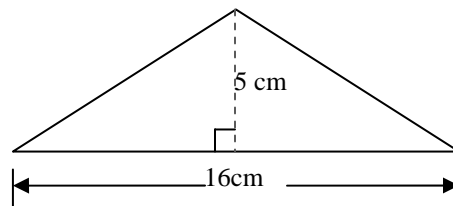
16. Evaluate: $3a + b$, for $a = 4$ and $b = -5$

(Workbook Page 229 Problem 16)

18. A homeowner decides to fence in a rectangular yard for his dog. The dimensions of the area to be fenced in are 20 ft by 35 ft. What is the perimeter of this area? If the fencing costs \$2.19 per foot, how much will it cost him to fence in this area?

(Workbook Page 234 Problem 20)

20.



(Workbook Page 45 Problem 19)

22. Simplify: $-16 + (-4) - (-12) + 8$

(Textbook Page 155 Problem 34)

23. Combine like terms:

$$9m + 14 - 12m - 8$$

(Workbook Page 60 Problem 13)

24. Combine like terms:

$$11m - 3 - 8m + 7$$

(Textbook Page 452 Problem 5)

25. The sales tax rate in Utah is 4.75%. How much tax is charged on the purchase of 5 telephones at \$69 apiece? What is the total price?

(Workbook Page 187 Problem 6)

26. The sales tax rate in Kentucky is 6%. How much tax would be charged on the purchase of a couch which costs \$1299?

(Textbook Page 211 Problem 41)

27. Perform the indicated operation

$$\frac{-8}{15} \div \frac{4}{5}$$

(Workbook Page 96 Problem 28)

28. Perform the indicated operation:

$$\frac{27}{8} \div \frac{21}{40}$$

(Textbook Page 361 Problem 29)

29. Solve for x: $5(x + 3) = 15x - 6$

(Workbook Page 162 Problem 18)

30. Solve for y: $6(y + 2) = 2y - 8$

(Textbook Page 276 Problem 21)

31. Perform the indicated operation:

$$34\frac{1}{3} - 12\frac{5}{8}$$

(Workbook Page 125 Problem 13)

32. Perform the indicated operation:

$$24\frac{3}{16} - 8\frac{3}{4}$$

(Textbook Page 251 Problem 19)

33. Perform the indicated operation:

$$\frac{3}{4} - \frac{1}{20}$$

(Workbook Page 111 Problem 6)

34. Perform the indicated operation.

$$\frac{5}{8} - \frac{7}{16}$$

(Textbook Page 453 Problem 27)

35. Find the discount and sale price on a \$300 item with a discount rate of 10%.

(Workbook Page 189 Problem 15)

36. Find the discount and sale price on a \$120 item with a discount rate of 20%.

(Textbook Page 360 Problem 13)

37. Solve for x : $-4.2x + 3.04 = -4.1$

(Textbook Page 204 Problem 49)

39. Analysts have determined that $\frac{1}{4}$ of the addresses on a mailing list will change in one year. A business has a mailing list of 2500 people. After one year, how many addresses on that list will be incorrect?

(Textbook Page 545 Problem 35)

41. A lot is 40 m by 36 m. A house 27m by 9m is built on the lot. How much area is left over for a lawn?

(Textbook Page 361 Problem 27)

43. Solve for x : $6(x + 2) = 4x + 30$

(Textbook Page 157 Problem 18)

45. Simplify: $8 \div 2 \cdot 2 - 3^2$

(Textbook Page 440 Problem 27)

47. A person earns \$28,600 one year and receives a 5% raise in salary. What is the new salary?

(Textbook Page 455 Problem 50)

49. Sal's Laundry borrows \$8000 at 10% for 90 days. Find (a) the amount of interest due and (b) the total amount that must be paid after 90 days.

(Workbook Page 160 Problem 10)

38. Solve for x : $14.97 = 13.13 - 2.3x$

(Workbook Page 90 Problem 23)

40. Millersville School has 750 students, and $\frac{4}{5}$ of them participate in extracurricular activities. How many students participate in extracurricular activities?

(Workbook Page 234 Problem 21)

42. A lot is 75 m by 50 m. A house 24m by 10m is built on the lot. How much area is left over for a lawn?

(Textbook Page 381 Problem 43)

44. Solve for x : $4 + 2(x - 3) = 7x - 9$

(Textbook Page 155 Problem 26)

46. Simplify: $7 \div 1^2 \cdot (-3) - 4$

(Workbook Page 185 Problem 16)

48. A person earning \$18.70 per hour receives a 6% raise. What is the new hourly rate?

(Workbook Page 189 Problem 21)

50. Find the simple interest.

Principal	Rate of Int	Time
\$500	3%	1 year

(Textbook Page 398 Problem 54)

51. Roy bicycled 234 mi. in 14 days. At this rate, how far would Roy travel in 42 days?

(Workbook Page 172 Problem 26)

52. A 12-oz can of cola contains 140 calories. How many calories are there in an 8-oz glass?

(Textbook Page 299 Problem 49)

53. The San Diaz drama club had $\frac{3}{8}$ of a vegetarian pizza, $1\frac{1}{2}$ cheese pizzas, and $1\frac{1}{4}$ pepperoni pizzas remaining after a

cast party. How many pizzas remained altogether?

(Workbook Page 127 Problem 23)

54. A plumber uses pipes of lengths $5\frac{5}{8}$ ft and $8\frac{3}{4}$ ft in the installation of a spa. How much pipe was used?

(Textbook Page 397 Problem 39)

55. Solve for x: $\frac{16}{12} = \frac{24}{x}$

(Workbook Page 171 Problem 22)

56. Solve for x: $\frac{3}{8} = \frac{x}{5}$

(Textbook Page 453 Problem 17)

57. Katrina's commission rate is 6%. What is the commission from the sale of \$45,000 worth of furnaces?

(Workbook Page 188 Problem 11)

58. Barry's commission rate is 7%. What is the commission on the sale of \$12,500 worth of merchandise?

(Textbook Page 597 Problem 17)

59. How high is a tree that casts a 27-ft shadow at the same time that a 4-ft fence post casts a 3-ft shadow?

(Workbook Page 265 Problem 19)

60. How high is a flagpole that casts a 30-ft shadow at the same time a 30-ft tower casts a 20-ft shadow?