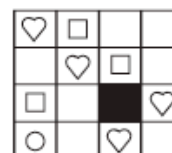
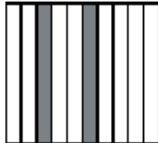




Warm-Up 4



41. _____ If each row and each column shown here must contain exactly one heart, square, circle and triangle, which shape must be placed in the shaded space?
42. _____ degrees Two angles of a triangle measure 7 degrees and 97 degrees. What is the degree measure of the supplement of its third angle?
43. _____ What is the positive difference between 3.75 and $\frac{7}{4}$?
44. _____  Assuming the sections are congruent, what portion of the figure is shaded? Express your answer as a common fraction.
45. _____ If two different students are randomly selected from a class of 12 boys and 8 girls, what is the probability that both students are girls? Express your answer as a common fraction.
46. _____ degrees What is the degree measure of an interior angle of a regular pentagon?
47. _____ quarters Joe has 37 coins consisting of nickels, dimes and quarters. There are four more nickels than dimes and two more quarters than nickels. What is the total number of quarters that Joe has?
48. _____ fl oz A pharmacist must mix 12 fl oz of cough syrup that contains 25% active ingredient with flavored syrup that contains no active ingredient. How many fluid ounces of flavored syrup must the pharmacist add to create a mixture containing 10% active ingredient?
49. _____ When writing twenty-one-and-a-half trillion in scientific notation, what is the exponent needed on the base 10?
50. \$ _____ Safir can choose how he gets paid for a job. He can be paid \$1000 all at once, or he can earn \$1 for the first day, \$2 for the second, \$4 for the third, and so on, so that each day's pay is double that of the previous day. What is the positive difference of the total amounts Samir can be paid for completing a ten-day job, based on these two compensation plans?

