

# Enrichment 2-2

## Using Number Sense to Solve Equations

### Critical Thinking

Use number sense—estimation, mental math, rounding—to complete each puzzle.

1. Solve each equation. Then write your answers in the circles so that the differences between any two circles connected by a straight line are the same.

a.  $w + 5 = 7.4$  \_\_\_\_\_

b.  $e - 2 = 2.5$  \_\_\_\_\_

c.  $12 + r = 22.5$  \_\_\_\_\_

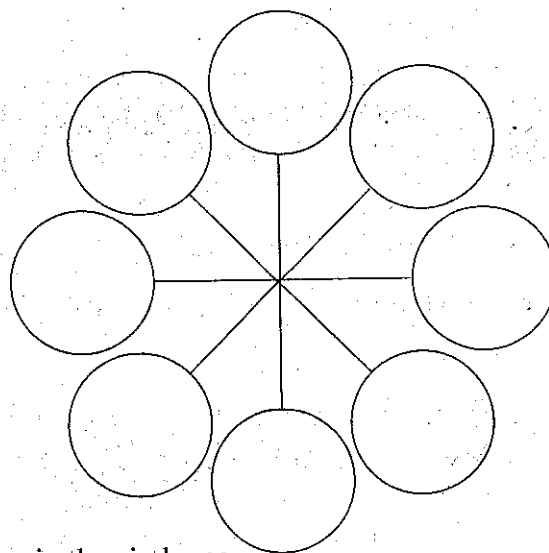
d.  $m + 5 = 15$  \_\_\_\_\_

e.  $14 - y = 5.6$  \_\_\_\_\_

f.  $t - 6 = 4.2$  \_\_\_\_\_

g.  $13 - q = 0.9$  \_\_\_\_\_

h.  $7 + c = 15.1$  \_\_\_\_\_



2. Solve each equation. Then write your answers in the circles so that the sums of any two circles connected by a straight line are the same.

a.  $\frac{s}{2} = 2$  \_\_\_\_\_

b.  $6d = 36$  \_\_\_\_\_

c.  $6a = 3$  \_\_\_\_\_

d.  $\frac{30}{z} = 10$  \_\_\_\_\_

e.  $\frac{25}{v} = 5$  \_\_\_\_\_

f.  $2n = 13$  \_\_\_\_\_

g.  $\frac{76}{g} = 38$  \_\_\_\_\_

h.  $4u = 4$  \_\_\_\_\_

