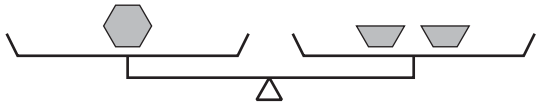
Solving Pan-Balance Problems

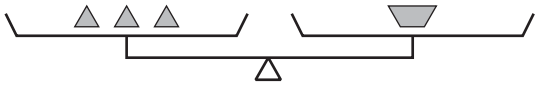
Home Link 6-5

NAME DATE TIME

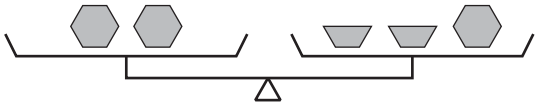
SRB 217-218

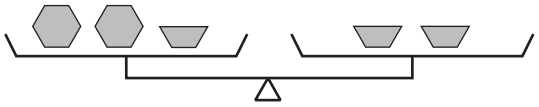
(1) These two pan balances are in perfect balance.

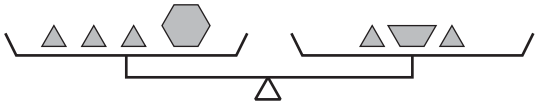


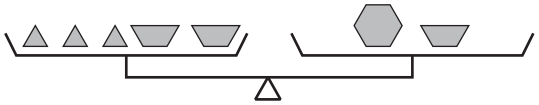


a. Use the relationships in the pan balances shown above to determine which of the pan balances below are balanced. Circle the ones that are in balance.









b. For any pan balance above that you did not circle, add or cross out objects to balance the pans.

(2) Find the value of the missing number that will balance each set of pans below. The same number is missing from both sides of a pan balance.

a. $\square * 15$ $5 * \square + 30$

$\square =$ _____

b. $\square \div 6$ $\square - 20$

$\square =$ _____

(3) Make up two of your own missing-number pan balances.

a.

$\square =$ _____

b.

$\square =$ _____

Fill in the missing numbers for the pan-balance problems you made.

Practice Solve.

(4) $4.3 * 7 =$ _____ (5) $0.2 * 1.5 =$ _____ (6) $1.9 * 2.3 =$ _____