

Solving Pan-Balance Problems

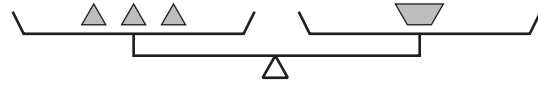
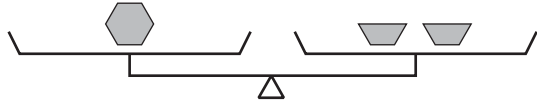
Home Link 6-5

NAME _____

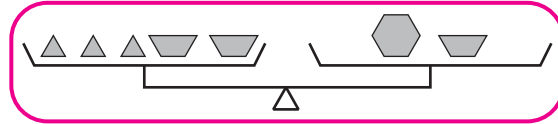
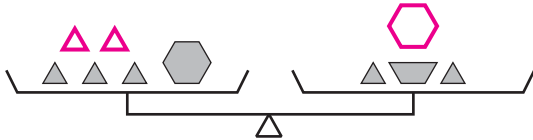
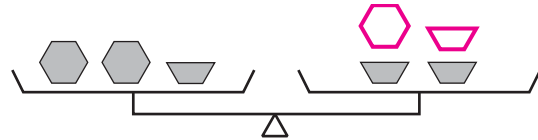
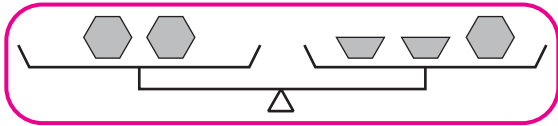
DATE _____

TIME _____

- 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. **Sample answers given.**

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

$\square = \underline{3}$

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

$\square = \underline{24}$

- ③ Make up two of your own missing-number pan balances. **Answers vary.**

a. _____

$\square = \underline{\hspace{2cm}}$

b. _____

$\square = \underline{\hspace{2cm}}$

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

Practice Solve.

④ $4.3 * 7 = \underline{30.1}$

⑤ $0.2 * 1.5 = \underline{0.3}$

⑥ $1.9 * 2.3 = \underline{4.37}$