

**STUDY LINK**  
**6•9**

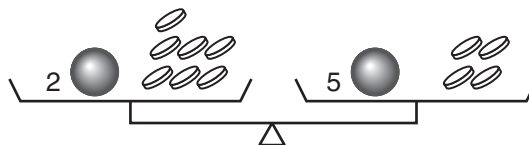
# Solving Pan-Balance Problems



Solve these pan-balance problems. In each figure, the two pans are balanced.

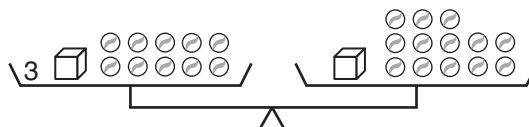
1. One ball weighs

as much as \_\_\_\_\_ coin(s).



2. One cube weighs

as much as \_\_\_\_\_ marble(s).



3. One  $x$  weighs

as much as \_\_\_\_\_  $y$ (s).



4. One  $a$  weighs

as much as \_\_\_\_\_  $b$ (s).



Make up two pan-balance problems for a classmate to solve.

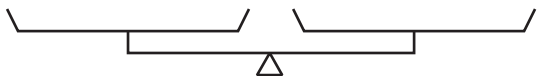
5.




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6.




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**Practice**

7.  $605 * \frac{1}{10} = 605 \div \underline{\hspace{2cm}}$

8.  $72 * \underline{\hspace{2cm}} = 72 \div 4$

9.  $\underline{\hspace{2cm}} * 30 = (2 * 30) \div 3$

10.  $\underline{\hspace{2cm}} * (x + 5) = \frac{x + 5}{2}$