Scales Puzzles

This is a pan balance or scales. You put things into the two "pans," and the heavier pan will go down, like in a seesaw. If the two things weigh the same, the balance stays balanced.

We can use the pan balance to model simple equations with an unknown. In this lesson you will solve many equations with its help.



1. Solve how much each geometric shape "weighs." You can imagine the weights being so many pounds or kilograms, if it helps.





2. Solve the pan balance equations.



3. Solve. These are trickier. Use *both* balances to figure out the *two* unknown shapes. Guess and check! See the answer key for a hint.

