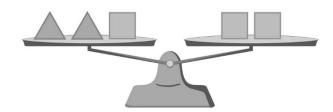
Master 31a

Connections: Balance Puzzles

Do you like to do puzzles? Have you ever tried a balance puzzle?

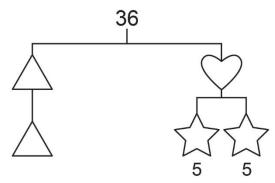
When things are balanced, the quantities on both sides are equal.

What do you know about the shapes on this pan balance?



A triangle has a mass equal to one-half the mass of a square.

What do you know about the shapes on this balance mobile?



The whole mobile represents 36. What does each side represent? Find what each shape represents, given that a star is 5.

Master 31b Connections: Balance Puzzles

Solve this puzzle.

Try making a balance puzzle of your own.

Then trade puzzles with a classmate and solve each other's puzzles.