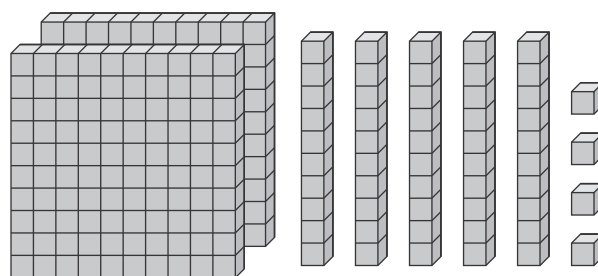


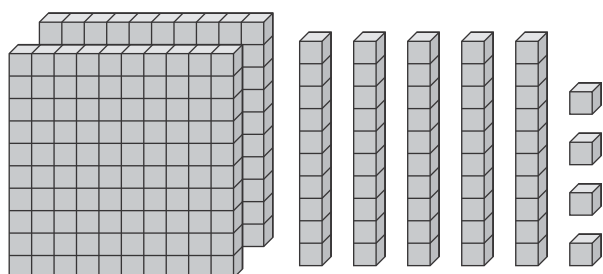
Playing with Blocks

Board games can use pieces in different ways. The game Jenga® is played by carefully removing wooden blocks from a stack. The games checkers, chess, and Go are played with different pieces with specific rules for how they can move around the game boards. In the game Monopoly®, each player moves a piece called a token around the board. The game also has dot cubes, cards, and house and hotel pieces—players can exchange 4 houses for 1 hotel. Players in the game Rummikub® draw 16 tiles that must be played according to the rules. The winner is the first to play all their tiles.

Place-value blocks are pieces of different sizes that can be used to model a wide variety of numbers. The same place-value blocks can represent values from whole numbers through thousands to decimal numbers through thousandths and beyond.



Place-value blocks showing the whole number 254



Place-value blocks showing the decimal number 2.54

Whether the place-value blocks show whole numbers or decimal numbers, they can be combined and separated to show addition and subtraction. They also can be compared to determine which number is greater or less.

Your Project Design a Game with Place-Value Blocks

Create a game for 2 or more players that involves comparing groups of place-value blocks. Your game can use dot cubes or spinners, and you may create a game board, cards, rules, instructions, or anything else that your game needs. The game must be able to be played using whole numbers or decimal numbers.