<html>

<script src='https://d3js.org/d3.v5.min.js'></script>

<style> rect {fill: lightblue; stroke: black; }</style>

<body>

<svg width=300 height=300>

</svg>

<script>

var data = [4,8,15,16,23,42];

var x = d3.scaleBand().domain(data).range([0, 200]);

var y = d3.scaleLinear().domain([0, 42]).range([200, 0]);

var svg = d3.select("svg");

margin = 50;

height = 200;

svg.append("g")

.attr("transform", "translate(" + margin + "," + margin + ")")

.selectAll("rect").data(data).enter().append("rect")

.attr("x", function(d) {return x(d);})

.attr("y", function(d) {return y(d);})

.attr("width", x.bandwidth())

.attr("height", function(d) {return 200 - y(d);});

svg.append("g").attr("transform", "translate(" + margin + "," + margin + ")").call(d3.axisLeft(y).tickFormat(function(d) {return d;}).ticks(9));

svg.append("g").attr("transform", "translate(" + margin + "," + (margin + height) + ")").call(d3.axisBottom(x).tickFormat(function(d) {return d;}).ticks(6));

</script>

</body>

</html>