

```
//@version=6
```

```
indicator("MFB - Levels Round Numbers - LRN", overlay = true,  
max_lines_count = 500, max_labels_count = 500)
```

```
// --- Inputs ---
```

```
stepSize = input.float(100, title="Step Size", tooltip="The interval between  
round numbers. For Bitcoin, 500 or 1000 is good. For Forex, 0.01 or 0.005  
might be better.")
```

```
numLevels = input.int(2, title="Number of Levels (Above/Below)", minval=1,  
maxval=100, tooltip="How many levels to draw above and below the current  
price.")
```

```
// Style Inputs
```

```
grpStyle = "Style"
```

```
lineColor = input.color(color.new(#9c27b0, 0), title="Line Color",  
group=grpStyle) // Purple default
```

```
lineWidth = input.int(2, title="Line Width", minval=1, group=grpStyle)
```

```
lineStyleStr = input.string("Dashed", title="Line Style", options=["Solid",  
"Dashed", "Dotted"], group=grpStyle)
```

```
showFifties = input.bool(true, title="Show Half Levels (50s)", tooltip="Shows  
the mid-point levels between your main step sizes.", group=grpStyle)
```

```
fiftiesColor = input.color(color.new(#9c27b0, 0), title="Half Level Color",  
tooltip="The color of the half levels. Note: Previous defaults had 50%  
transparency which might have made them hard to see.", group=grpStyle)
```

```
fullScreen = input.bool(true, title="Full Screen Lines", tooltip="If enabled, lines  
will extend across the entire chart. If disabled, they will only show on the right  
side.", group=grpStyle)
```

```
showLabels = input.bool(true, title="Show Price Labels", group=grpStyle)
labelColor = input.color(color.new(color.yellow, 0), title="Label Text Color",
group=grpStyle)
```

```
// --- Logic ---
```

```
var string style = lineStyleStr == "Solid" ? line.style_solid : lineStyleStr ==
"Dashed" ? line.style_dashed : line.style_dotted
```

```
var line[] levelLines = array.new_line()
```

```
var label[] levelLabels = array.new_label()
```

```
if barstate.islast
```

```
    // Clear previous lines and labels on real-time updates
```

```
    if array.size(levelLines) > 0
```

```
        for ln in levelLines
```

```
            line.delete(ln)
```

```
        array.clear(levelLines)
```

```
    if array.size(levelLabels) > 0
```

```
        for lbl in levelLabels
```

```
            label.delete(lbl)
```

```
        array.clear(levelLabels)
```

```
    // Calculate the nearest base round number to the current close
```

```
baseLevel = math.round(close / stepSize) * stepSize
```

```
// Determine line extension and coordinates based on fullScreen setting
```

```
lineExtend = fullScreen ? extend.both : extend.none
```

```
x1 = fullScreen ? bar_index - 1 : bar_index + 10
```

```
x2 = fullScreen ? bar_index : bar_index + 30
```

```
lblX = fullScreen ? bar_index + 5 : x2 + 2
```

```
// Draw lines and labels
```

```
for i = -numLevels to numLevels
```

```
    // Main Level
```

```
    level = baseLevel + (i * stepSize)
```

```
    // Draw the main line
```

```
    ln = line.new(x1, level, x2, level, extend = lineExtend, color = lineColor,  
width = lineWidth, style = style)
```

```
    array.push(levelLines, ln)
```

```
    // Draw the main label
```

```
    if showLabels
```

```
        lbl = label.new(lblX, level, str.tostring(level), color =  
color.new(color.black, 100), textcolor = labelColor, style =  
label.style_label_left, size = size.normal)
```

```
        array.push(levelLabels, lbl)
```

```
// Half Level (50s)

if showFifties and i != numLevels // Don't draw the half level for the very
top iteration to keep it symmetric

    halfLevel = level + (stepSize / 2)


// Draw the half line

lnHalf = line.new(x1, halfLevel, x2, halfLevel, extend = lineExtend, color
= fiftiesColor, width = lineWidth, style = line.style_dotted)

array.push(levelLines, lnHalf)


// Draw the half label

if showLabels

    lblHalf = label.new(lblX, halfLevel, str.toString(halfLevel), color =
color.new(color.black, 100), textcolor = labelColor, style =
label.style_label_left, size = size.small)

    array.push(levelLabels, lblHalf)
```