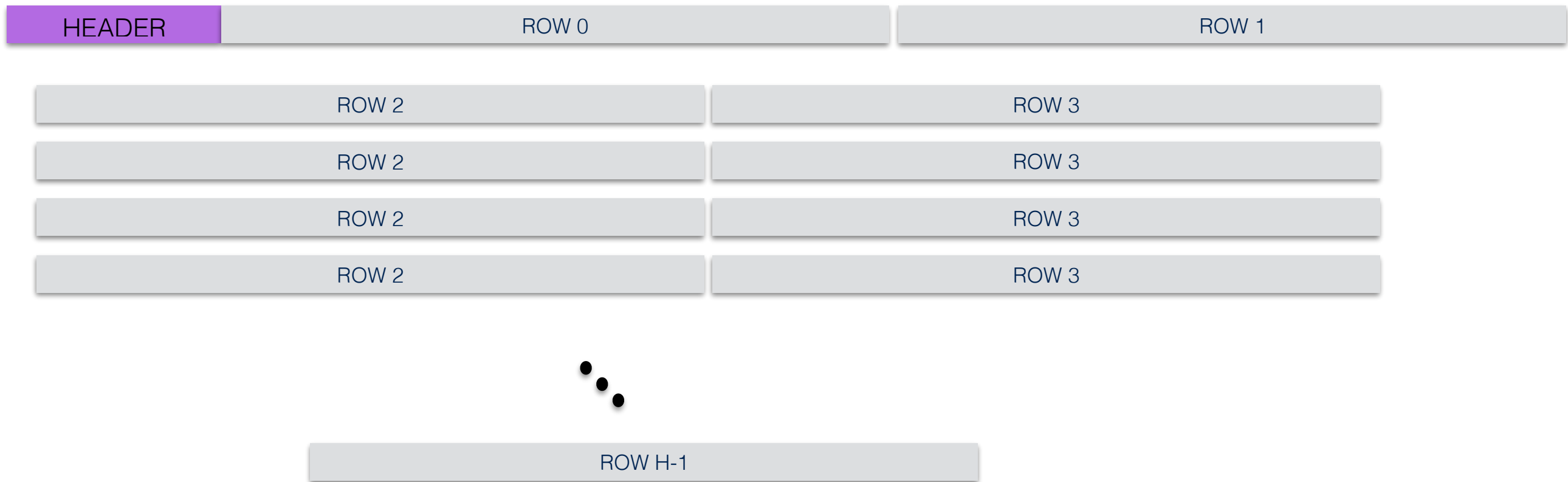
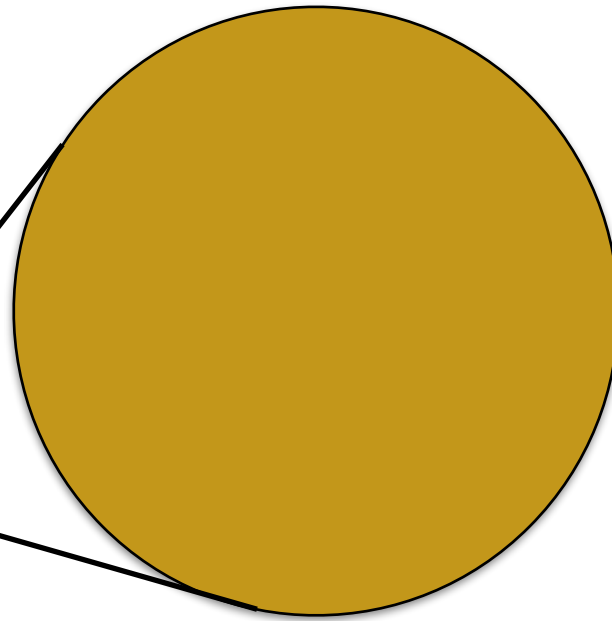


# Format of a BMP file

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1 pixel = 3 bytes



$\underbrace{\hspace{10em}}$   
0x00 to 0xFF  
0 to 255  
= 256 shades  
of red

$$256 \times 256 \times 256 = 2^8 \times 2^8 \times 2^8 = 2^{32} = 4 \text{ billion colors}$$

# Row Requirement for BMP Format

- The BMP format requires a row of pixels to fit in an integer number of dwords.
- Pixels are 3 bytes long.
- Rows may have padding bytes at the end

