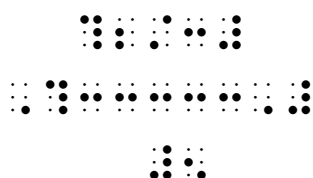# Complex Fraction (Spatial Arrangement) Examples with SimBraille

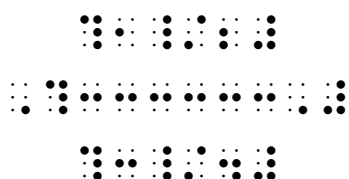1. Two-thirds over five using a horizontal fraction line in the numerator is written
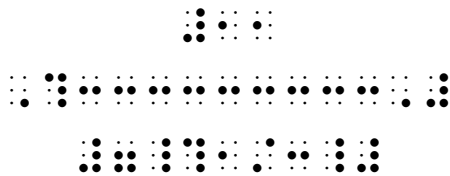
$$\frac{\frac{2}{3}}{5}$$

⠀⠀⠀⠨⠆⠒⠂⠲⠀⠼⠴
⠐⠣⠨⠶⠶⠶⠶⠶⠶⠶⠶⠐⠜
⠀⠀⠀⠀⠀⠼⠑

2. One-half over three-fourths using a diagonal fraction line in the numerator and denominator is written

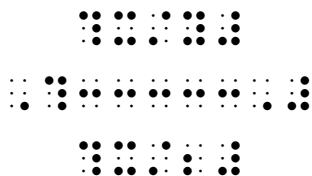$$\frac{1/2}{3/4}$$

⠀⠀⠀⠼⠂⠌⠼⠆⠀⠼⠒
⠐⠣⠨⠶⠶⠶⠶⠶⠶⠶⠶⠐⠜
⠀⠀⠀⠼⠒⠌⠼⠙

3. The fraction with numerator eleven and denominator seven and one-third using a horizontal fraction line in the denominator is written

$$\frac{11}{7\frac{1}{3}}$$

⠹⠂⠂⠌⠶⠀⠿⠿⠿⠿⠿⠿⠿⠿⠿⠿⠿⠀⠷
⠷⠶⠶⠷⠼⠉⠾⠾⠾⠾

4. The fraction with numerator x over y using a horizontal fraction line and denominator x over two using a horizontal fraction line is written

$$\frac{\dfrac{x}{y}}{\dfrac{x}{2}}$$

⠷⠭⠌⠽⠾⠀⠿⠿⠿⠿⠿⠿⠀⠷
⠷⠭⠌⠼⠃⠾⠾

5. The fraction with numerator open fraction x squared minus four over (horizontal fraction line) three close fraction and denominator open fraction x plus two over (horizontal fraction line) x minus two close fraction is written

$$\dfrac{\dfrac{x^2-4}{3}}{\dfrac{x+2}{x-2}}$$

⠨⠹⠹⠭⠘⠆⠐⠤⠲⠌⠒⠼⠯⠹⠭⠐⠖⠆⠌⠭⠐⠤⠆⠼�