

$$\Gamma(3/2) = (1/2) \sqrt{\pi} = (1/2)!$$

$$\Gamma(n + 1/4) = \frac{1.5.9.13 \dots (4n - 3)}{4^n} \Gamma(1/4);$$

$$\Gamma(1/4) = 3.6256099082 \dots$$

$$\Gamma(n + 1/3) = \frac{1.4.7.10 \dots (3n - 2)}{3^n} \Gamma(1/3);$$

$$\Gamma(1/3) = 2.6789385347 \dots$$

$$\Gamma(n + 1/2) = \frac{1.3.5.7 \dots (2n - 1)}{2^n} \Gamma(1/2)$$

$$\Gamma(n + 2/3) = \frac{2.5.8.11 \dots (3n - 1)}{3^n} \Gamma(2/3)$$

$$\Gamma(2/3) = 1.3541179394 \dots$$

$$\Gamma(n + 3/4) = \frac{3.7.11.15 \dots (4n - 1)}{4^n} \Gamma(3/4);$$

$$\Gamma(3/4) = 1.2254167024 \dots$$

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