$$|\frac{3}{2}| + \frac{3}{2}\rangle = 111$$

$$|\frac{3}{2}| + \frac{1}{2}\rangle = \frac{1}{13} (111 + 111 + 111)$$

$$|\frac{3}{2}| + \frac{1}{2}\rangle = \frac{1}{13} (111 + 111 + 111)$$

$$|\frac{3}{2}| - \frac{3}{2}\rangle = 111$$

$$|\frac{1}{2}| - \frac{3}{2}\rangle = 111$$

$$|\frac{1}{2}| - \frac{1}{2}\rangle = -\frac{1}{16} (2111 - 111 - 111)$$

$$|\frac{1}{2}| + \frac{1}{2}\rangle = \frac{1}{16} (2111 - 111 - 111)$$

$$|\frac{1}{2}| + \frac{1}{2}\rangle = \frac{1}{16} (2111 - 111 - 111)$$

$$|\frac{1}{2}| + \frac{1}{2}\rangle = \frac{1}{12} (111 - 111)$$