

$$\left(2\frac{1}{3} + 1\frac{1}{2}b\right)^2 = \left(\frac{4}{3} + \frac{3}{2}b\right)^2 =$$

$$= \frac{49}{9} + 2 \cdot \frac{4}{3} \cdot \frac{3}{2}b + \frac{9}{4}b^2 = 5\frac{4}{9} + 4b + 2\frac{1}{4}b^2$$