$$A = P\left(1 + \frac{i}{h}\right)$$
yeac

Which is better, 4% compounded annually or 3.9% compounded monthly or 3.8% compounded weekly?

Any starting amount and any time.
$$P=100 \quad t=1$$

4.1.
$$A = 100 \left(1 + \frac{0.04}{1}\right) = 104$$

3.9.7.
$$A = 100 \left(1 + \frac{15}{0.036}\right)_{15(1)} = 103.91$$

3.87.
$$A = 100 \left(1 + \frac{0.038}{52}\right)^{52(1)} = 103.87$$

Increasing the number of compounding periods increases the interest but is not as significant as the interest rate.