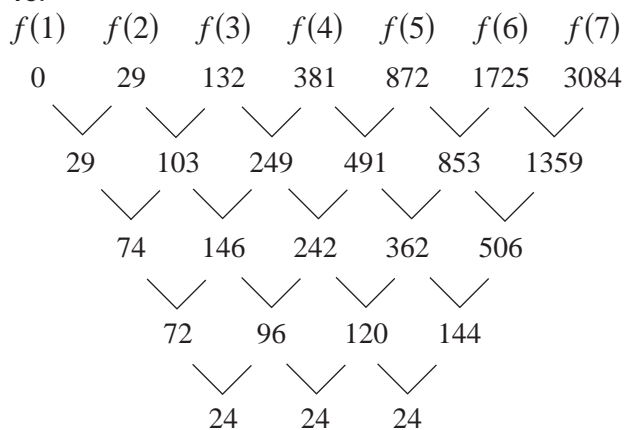


Answer Key

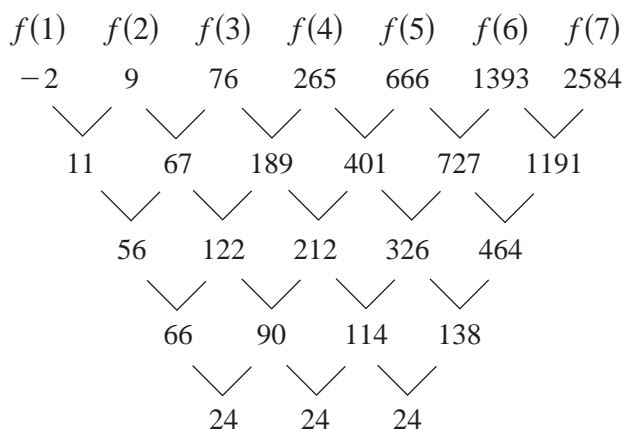
Practice C

- $f(x) = (x + 5)(x + 2)(x - 1)$
- $f(x) = -2(x + 2)(x - 1)(x - 2)$
- $f(x) = (x + 1)(x - 2)^2$
- $f(x) = \frac{3}{2}(x + 1)(x - 2)(x - 3)$
- $f(x) = \frac{3}{2}(x + \frac{1}{2})(x - 1)(x - 3)$
- $f(x) = -12(x - \frac{1}{2})(x - \frac{3}{2})(x - 2)$
- $f(x) = 12(x + \frac{1}{3})(x - \frac{1}{4})(x - 1)$
- $f(x) = (x + \frac{2}{3})(x + \frac{1}{4})(x - \frac{1}{2})$
- $f(x) = 108(x + \frac{1}{3})(x - \frac{1}{3})(x - \frac{5}{6})$

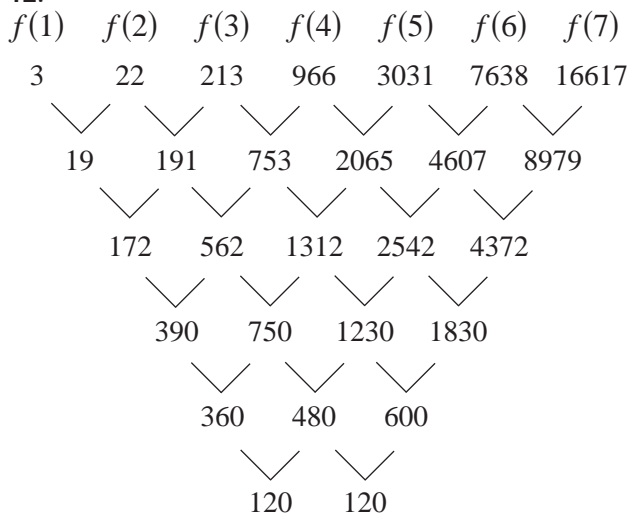
10.



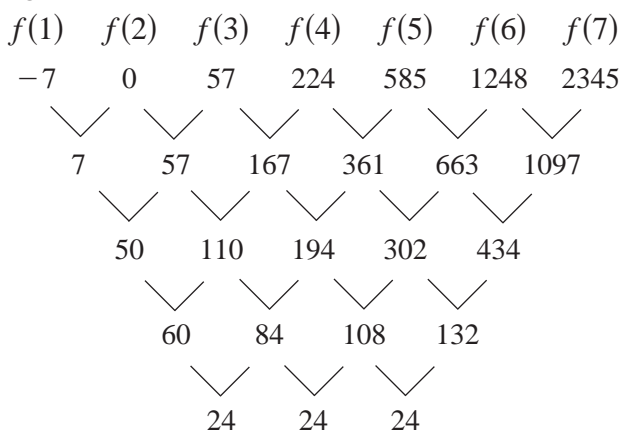
11.



12.



13.



14. $f(x) = x^3 - 10x^2 + 8x - 15$

15. $f(x) = x^3 + 8x^2 - 12x + 13$

16. $y = 1.114t^3 - 45.50t^2 + 2829.5t + 249,915$;
about 274,774,000 people