

For Numbers 3 and 4, use the SULT.

3. Using the CF assumption between integer ages, determine ${}_{1.3|13.7}q_{20}$

4. Using the UDD assumption between integer, determine ${}_{10.2}p_{20.25}$

5. You are given:

(i) $l_{25} = 1000$

(ii) $l_{40} = 940$

(iii) $l_{70} = 750$

Using linear interpolation of the l_x values between ages 25 and 40, and exponential interpolation of the l_x values between ages 40 and 70, determine ${}_{25}p_{30}$