

134. Solutions: C

Letting  $t$  denote the relative frequency with which twin-sized mattresses are sold, we have that the relative frequency with which king-sized mattresses are sold is  $3t$  and the relative frequency with which queen-sized mattresses are sold is  $(3t+t)/4$ , or  $t$ . Thus,  $t = 0.2$  since  $t + 3t + t = 1$ . The probability we seek is  $3t + t = 0.80$ .