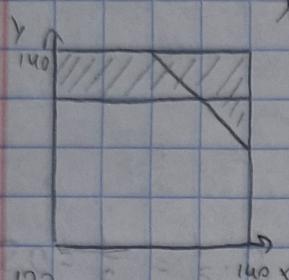


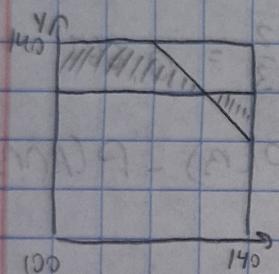
$$b) A \cap B : y > 130, x+y > 260$$

$$P(A \cap B) = \frac{10 \cdot 10 + 10 \cdot 10 \cdot \frac{1}{2}}{1600} = \frac{3}{32} = 0,094$$



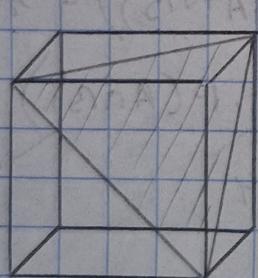
$$c) P(A \cup B) = P(A) + P(B) - P(A \cap B)$$

$$P(A \cup B) = \frac{1}{8} + \frac{1}{4} - \frac{3}{32} = \frac{9}{32} = 0,281$$



$$d) P_1 = P(A) + P(B) - 2 \cdot P(A \cap B)$$

$$P_1 = \frac{1}{8} + \frac{1}{2} - 2 \cdot \frac{3}{32} = \frac{3}{16} = 0,188$$



Ng

$$V = \frac{40^3}{6}$$

$$P(A) = \frac{64000 - \frac{60^3}{6}}{64000} = \frac{5}{6} = 0,833$$

n10

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$$e) P(A) = \frac{\frac{16 \cdot 15 \cdot 14}{3 \cdot 2 \cdot 1} \cdot 5^3}{6^{16}} = 0,242$$

$$f) 16 \cdot \frac{1}{6} \approx 2.67 \rightarrow 2-3 \text{ proger}$$

b) Wie könnte man es machen?