- Total Students = S (sample space) 2.12 Students missing I day at school = 25% 5= 0.25 S Students missing 2 day at school = 15% S = 0.15 S Students missing 3 day at school = 28/0S = 0.285
 - (a) P (student not missing) > 1 P (All students arissing)
 any days any days ≥1 - (0.25+0.15+0.28) => 1-0.68 => 0.32 => 32 %
 - (b) P(Student missing no) => P(student, missing) or P(student missing)

 more than one day) => P(any day) =) 0.32+0.25 70.57 => 57%
- (1) P(student missing atteast) = P(student missing) + P(student missing) one day + P (Student missing 3 or) =) 0.25 + 0.15 + 0.28
- => 0.68 => 68% (d) P(both kids not) = P(first kid not) x P(second kid mot) missing any day)

 (d) P(both kids not) = P(first kid not missing any day) 70.32 X0.32 (independent process)
 - => 0.1024 => 10.240/0 (e) P (both kids missing) = P (first kid | XP (missing atteast) rday (aday)
 - => 0.68 × 0.68 => 0.4624 => 46.24 %
 - (4) I made an assumption that both events are independent-s Kids missing schools didn't depend on each other.

(e)
$$P(\text{matching}) = P(\text{both gray or both blue or both blue}) + P(\text{both blue}) +$$

- (b) p (drawing a fiction book first and then hard cover book without replacement)
 - =) P(drawing a fiction) x P (drawing a who replacement)
 book
 - => 12 × 2 1
 - =) 0.75 79 × 0.2872 =) 0.2177 =) 21.77 %
- (c) p (drawing a fiction & then hered cover)
 - =) P (drawing a fiction) X P (drawing a hard rowr)
 - $=) \frac{72}{95} \times \frac{28}{55} =) 0.7579 \times 0.2947$ => 0.2233 =) 22.33°/°
- (d) Answer to (b) & (c) are close, as in case of (c) when the first book is replaced, the total posibilities 2 hard cover in creases & also testal number of book also increases. & Both numerator & denominator in creased & hence no significant change in answers.