

KEAM 2024 Mathematics Model Question Paper PDF 2

- The mean of 5 observations is 4.4 and their variance is 8.24. If three of the observations are 1, 2 and 6, the other two observations are
 - 3 and 10
 - 2 and 11
 - 5 and 8
 - 4 and 9
 - 6 and 7
- If each of the observations is multiplied by a positive constant k , then SD
 - remains the same
 - is multiplied by k
 - is multiplied by k^2
 - is multiplied by $k/2$
 - is increased by k
- How many times must a man toss a fair coin so that the probability of having at least one head is more than 90%?
 - 2
 - 3
 - 4
 - 5
 - 6
- There are 37 men and 33 women at the party. If a prize is given to one person chosen at random, then the probability that the prize goes to a woman is
 - $\frac{33}{70}$
 - $\frac{32}{70}$
 - $\frac{33}{80}$
 - $\frac{37}{70}$
 - $\frac{37}{80}$
- A fair coin is tossed twice. Given that the first toss resulted in the head, then the probability that the second toss also would result in the head is
 - $\frac{1}{8}$
 - $\frac{1}{4}$
 - $\frac{3}{8}$

d) $\frac{1}{8}$

e) $\frac{5}{8}$

