

ISM Quiz1

Started: Dec 11 at 13:40

Quiz Instructions

Number of Questions : 10

Time Limit: 60 Minutes

Starts at : 10th December 6.00 PM

Ends at : 11th December 23.59 PM

Question 1

0.5 pts

If a number is selected at random from the first 100 natural numbers, what will be the probability that the selected number is a perfect cube?

☒ 1/25

☐ 4/25

☐ 3/25

☐ 2/25

Question 2

0.5 pts

Bag 1 contains 4 white and 6 black balls while another bag 2 contains 4 white and 3 black balls. One ball is drawn at random from one of the bags and it is found to be black. Find the probability that it was drawn from bag 1

☒ 7/12

☐ 7/11

☐ 5/12

☐ 12/13

Question 3**0.5 pts**

An experiment consists of two events E_1 and E_2 where $P(E_1)=0.35$ and $P(E_2)=0.55$. what is the probability that event E_1 or event E_2 will occur if E_1 and E_2 are independent?

☐ 0.6075☐ 0.8075☐ 0.9075☒ 0.7075**Question 4****0.5 pts**

The maths test was passed by 40% of the pupils, while 25% of the students passed maths and science both . How many people who passed the math exam also passed the science exam?

☐ 38.5☐ 60☐ 40☒ 62.5**Question 5****0.5 pts**

Three fair coins are tossed. What is the probability that at least one coin lands tails up?

☐ $5/8$ ☐ $3/8$

☒ 7/8☐ 1/8**Question 6****0.5 pts**

A box contains 10 identical balls. 6 of them are Green and 4 are Pink. Two balls are randomly selected without replacement from the box. What is the probability of getting two green balls?

☐ 6/10☒ 1/3☐ 5/9☐ 5/10**Question 7****0.5 pts**

In 20 balls, a batsman hits the boundaries 4 times. What will be the probability that he did not hit the boundaries?

☐ 1/5☐ 3/5☒ 4/5☐ 10/7**Question 8****0.5 pts**

If a number is selected at random from the first 60 natural numbers, what will be the probability that the selected number is not a multiple of 3 and 4?

- ☐ 2/5
- ☐ 4/60
- ☒ 11/12
- ☐ 5/60

Question 9**0.5 pts**

What is the median?

- ☐ Difference between the highest and lowest number
- ☐ Value separating higher half from lower half of a data sample
- ☐ Mean of the highest and lowest number in a data sample
- ☒ Difference between higher half and lower half of the data set

Question 10**0.5 pts**

Which of the following is not measure of central tendency

- ☐ Median
- ☒ Quartiles
- ☐ Mean
- ☐ Mode

Saved at 13:48

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