

MCQ

1. Which symbol is correct for these two fractions?

$$\frac{3}{4} \square \frac{2}{3}$$

- a. >
 - b. <
 - c. =
 - d. None of the above
2. Match the following probabilities.

Impossible	between 0 and 0.5
Certain	between 1 and 0.5
Unlikely	0
Likely	1

3. Fill in the blanks.

- (i) Probability of an impossible event = ____
- (ii) Probability of a sure event = ____
- (iii) Let E be an event. Then, $P(\text{not } E) = \underline{\hspace{2cm}}$
- (iv) $P(E) + P(\text{not } E) = \underline{\hspace{2cm}}$
- (v) $\underline{\hspace{2cm}} \leq (P) \leq \underline{\hspace{2cm}}$

4. Arrange these decimals in order, smallest first.

0.03 0.5 0.11 0.20 0.0127

5. Two coins are tossed 500 times, and we get:

Two heads: 105 times

One head: 275 times

No head: 120 times

Find the probability of each event to occur