



Lesson 1 Assignment

Probability of an Event – Part B

Work slowly and carefully. If you are having difficulty, go back and review the appropriate *Lesson*.

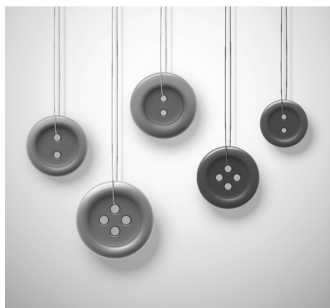
For full marks, show all calculations, steps, and/or explain your answers.

Total marks: 10

- ② 11. An eight-sided die has sides numbered 1 through 8. What is the probability of rolling a 7? Express your answer as a ratio.



- ② 12. A bag contains 5 buttons. Three of the buttons have 2 holes and two of the buttons have 4 holes.



What is the probability of randomly selecting a button with 2 holes? Express your answer as a fraction.

- 2 13. Parham is playing a game that requires him to roll a 1 or a 2 on a six-sided die. What is the probability that Parham will roll a 1 or a 2? Express the probability as a decimal to three decimal places.
- 2 14. In a box, there are eight dimes, two nickels, and three pennies. If a coin is selected randomly, what is the probability that the coin is a nickel? Express your answer as a statement.

- 2 15. Edna buys a ticket for a draw for an iPad®. A total of 250 tickets are sold. What is the probability that Edna will win? Express your answer as a percentage to one decimal place.