Probability · Grade 12

Name _____ Date _____ Score _____ / 5

01 Percent: A bag has 4 red, 5 blue, and 9 green marbles. P(blue) =

Answer: _____

02 Decimal: P(rolling a 3 on a die AND spinning red on a 4-colour spinner) =

Answer: _____

03 Fraction: A bag has 12 red and 12 blue marbles. One is drawn and not replaced. Given the first marble drawn is red, P(the second is also red) =

Answer: _____

04 Decimal: A bag has 9 red, 2 blue, and 4 green marbles. P(green) =

Answer: _____

05 Percent: A bag has 2 red and 5 blue marbles. One is drawn and not replaced. Given the first marble drawn is red, P(the second is also red) =

Answer: _____

PROBABILITY · GRADE 12

Probability · Grade 12 (Answer Key)

01 Percent: A bag has 4 red, 5 blue, and 9 green marbles. P(blue) =

≈27.8% (5/18, ≈0.28)

02 Decimal: P(rolling a 3 on a die AND spinning red on a 4-colour spinner) =

≈0.04 (1/24, ≈4.2%)

03 Fraction: A bag has 12 red and 12 blue marbles. One is drawn and not replaced. Given the first marble drawn is red, P(the second is also red) =

11/23 (≈0.4783, ≈47.83%)

04 Decimal: A bag has 9 red, 2 blue, and 4 green marbles. P(green) =

≈0.27 (4/15, ≈26.7%)

05 Percent: A bag has 2 red and 5 blue marbles. One is drawn and not replaced. Given the first marble drawn is red, P(the second is also red) =

≈16.67% (1/6, ≈0.1667)