Probability · Grade 12

Name _____ Date _____ Score _____ / 5

01 Percent: P(rolling a 3 on a die AND rolling a 3 on a die) =

Answer: _____

02 Decimal: P(rolling a number greater than 4 on a die AND flipping heads on a coin) =

Answer: _____

03 Decimal: Rolling a fair die, P(even or a multiple of 3) =

Answer: _____

04 Percent: A bag has 8 red and 3 blue marbles. P(red) =

Answer: _____

05 Decimal: A bag has 1 red and 4 blue marbles. P(red) =

Answer: _____

PROBABILITY · GRADE 12

Probability · Grade 12 (Answer Key)

01 Percent: P(rolling a 3 on a die AND rolling a 3 on a die) =

≈2.8% (1/36, ≈0.03)

02 Decimal: P(rolling a number greater than 4 on a die AND flipping heads on a coin) =

≈0.17 (1/6, ≈16.7%)

03 Decimal: Rolling a fair die, P(even or a multiple of 3) =

≈0.6667 (2/3, ≈66.67%)

04 Percent: A bag has 8 red and 3 blue marbles. P(red) =

≈72.7% (8/11, ≈0.73)

05 Decimal: A bag has 1 red and 4 blue marbles. P(red) =

0.20 (1/5, 20.0%)