Probability · Grade 7

Name _____ Date _____ Score _____ / 6

01 Decimal: A bag has 6 red, 11 blue, and 11 green marbles. P(red) =

Answer: _____

02 Percent: Tickets numbered 1 to 24 are in a hat. One is drawn. P(an even number) =

Answer: _____

03 Decimal: Tickets numbered 1 to 20 are in a hat. One is drawn. P(a multiple of 5) =

Answer: _____

04 Percent: P(flipping heads on a coin AND rolling a 3 on a die) =

Answer: _____

05 Percent: A letter is chosen at random from the word TRIANGLE. P(a vowel) =

Answer: _____

06 Decimal: A month of the year is chosen at random. P(a month containing the letter r) =

Answer: _____

PROBABILITY · GRADE 7

Probability · Grade 7 (Answer Key)

01 Decimal: A bag has 6 red, 11 blue, and 11 green marbles. P(red) =

≈0.21 (3/14, ≈21.4%)

02 Percent: Tickets numbered 1 to 24 are in a hat. One is drawn. P(an even number) =

50.0% (1/2, 0.50)

03 Decimal: Tickets numbered 1 to 20 are in a hat. One is drawn. P(a multiple of 5) =

0.20 (1/5, 20.0%)

04 Percent: P(flipping heads on a coin AND rolling a 3 on a die) =

≈8.3% (1/12, ≈0.08)

05 Percent: A letter is chosen at random from the word TRIANGLE. P(a vowel) =

37.5% (3/8, 0.38)

06 Decimal: A month of the year is chosen at random. P(a month containing the letter r) =

≈0.67 (2/3, ≈66.7%)