When the Boy Tire Maker Married the Girl Tire Maker, What Did Everyone Say?

Do each exercise and find your answer at the bottom of the page. Write the letter of the exercise in the box above the answer.



E-50

Why Did the King's Birthday Celebration Last So Long?

Do each exercise and find your answer in the Code Key. Notice the letter under it. Write this letter in the box containing the exercise number.



Code	$\frac{1}{100}$	1 5	2 5	35	4 5	1	$\frac{4}{13}$	<u>5</u> 13	$\frac{2}{7}$	1 8	3 8	1/2	58	7 8
Кеу	R	Т	S	N	1	K	Ρ	Е	W	Υ	Н	А	L	G

- I. Find each probability if you spin the spinner once.
- (1) P(red)

- 2) P(green)
- 3 P(blue or white)
- 5 P(not red)
- (6)
- II. Find each probability if you choose one card at random.

8

- (7) P(striped)
- 9) P(shaded)

11) P(striped or white)

13) P(not striped)

(10) P(white or shaded)

P(white)

P(not yellow)

P(blue or red or yellow)

- (12) P(striped or shaded)
- (14) P(not white)
- (15) P(striped or white or shaded)
- III. Solve.
- (16) What is the probability of guessing the correct answer to a multiple choice question if there are 5 choices?
- 18 What is the probability that your birthday will fall on Saturday or Sunday?
- 20 A class of 25 students has 15 girls and 10 boys. If one student is chosen at random, what is the probability it is a girl?





- 17) What is the probability of guessing the correct answer to a true-false question?
- 19 What is the probability of winning a raffle if 500 tickets are sold and you buy 5 of them?
- 21) There are 26 letters in the alphabet. What is the probability that a letter chosen at random is in the word MATHEMATICS?

5	1	18	8	3	14	6	17	13	10	15	20	4	11	7	16	21	12	19	2	9
---	---	----	---	---	----	---	----	----	----	----	----	---	----	---	----	----	----	----	---	---