NEW JERSEY ALGEBRA 2 · UNIT 4 · 10 QUESTIONS

Statistics and Probability — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The probability of rolling an even number on a fair six-sided die is**

- **A** $\frac{1}{}$
- **B** $\frac{1}{}$
- **C** $\frac{2}{}$
- **D** $\frac{1}{}$

Understand It with Pulse | Flag a mistake

2 **The probability of drawing a face card (jack, queen, or king) from a standard 52-card deck is**



A 1

B 1

C 1

D 3

Understand It with Pulse | Flag a mistake

3 The number of combinations of 2 items chosen from 7 is

- A 49
- B 14
- C 21
- D 42

Understand It with Pulse | Flag a mistake

4 The number of permutations of 3 letters chosen from 5, in order, is

- A 10
- B 15
- C 60
- D 125

Understand It with Pulse | Flag a mistake

5 **A regression line is y = 3x - 2. The predicted value of y when x = 5 is**

- A 15
- B 10
- C 17
- D 13

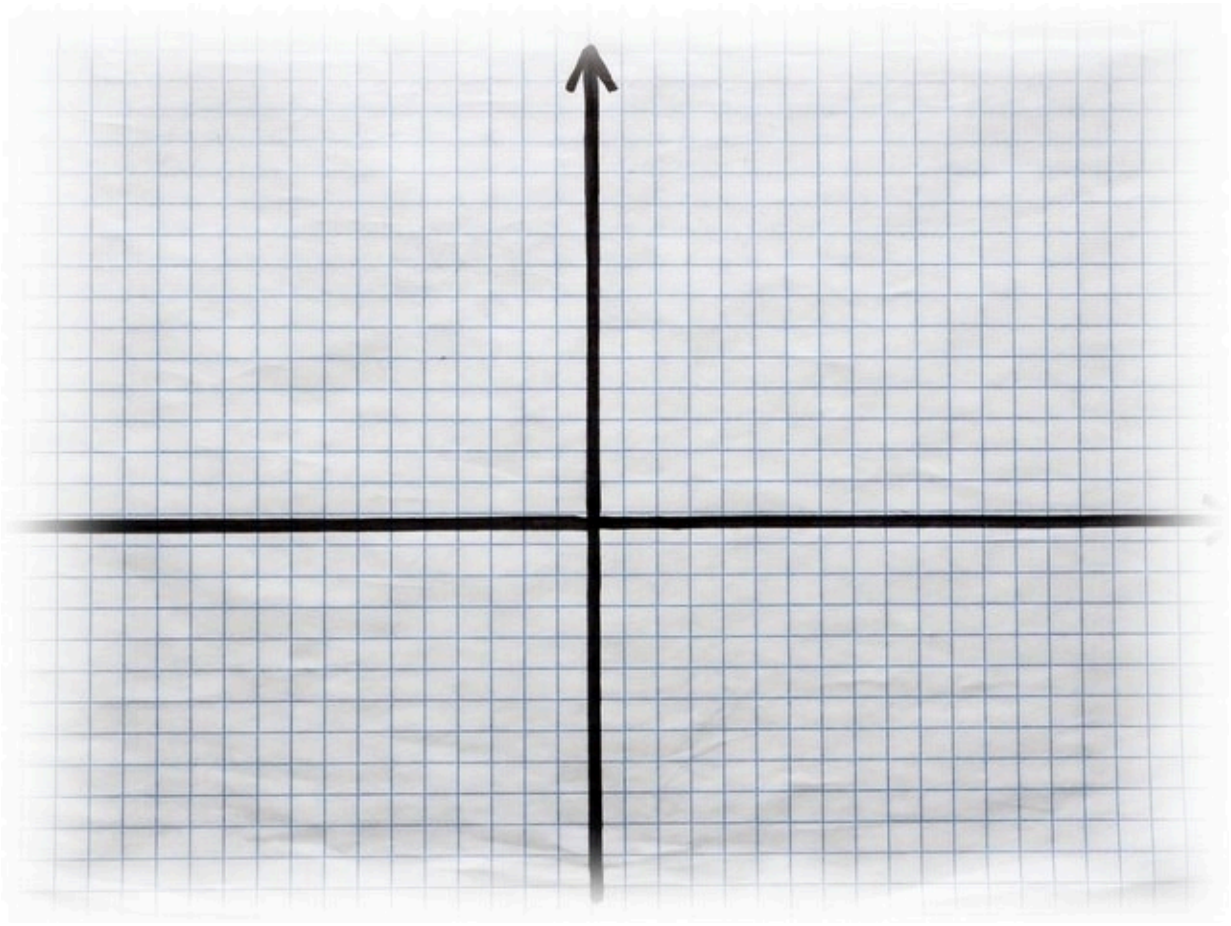
Understand It with Pulse | Flag a mistake

6 **A correlation of -0.15 shows**

- A a strong negative relationship
- B no relationship at all
- C a strong positive relationship
- D a weak negative relationship

Understand It with Pulse | Flag a mistake

7 **A bag has 4 green marbles and 6 red marbles. Two marbles are drawn without replacement. The probability both are green is**



A 3

B 2

C 4

D 1

Understand It with Pulse | Flag a mistake

8 **200 dollars is invested at 20 percent compound interest per year How much is it worth after 2 years**

ANSWER

Understand It with Pulse | Flag a mistake

9 **The probability of at least one head in two fair coin flips is**

A 1

B 1

C 3

D 1

Understand It with Pulse | Flag a mistake

10 **A fair coin is flipped 3 times. The probability of exactly 1 head is**

A 3

B 1

C 5

D 1

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. D
3. C
4. C
5. D
6. D
7. B
8. 288
9. C
10. A

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