Mathematics

level : 2

Practice 12
Equations

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1. The weights of newborn babies in a hospital are normally distributed with a mean of 2.9 kg and a standard deviation of 0.3kg. In which range do approximately 68% of the baby weights fall?

A 2.6 - 3.2
B 2.9 - 3.6
C 2.4 - 3.5
D 2.6 - 3.9

2. The heights of adult women in a town are normally distributed with a mean of 165 cm and a standard deviation of 5 cm. In which range do approximately 68% of the women's heights fall?

A 160 - 170
B 173 - 178
C 175 - 180
D 180 - 185

3. Layla is designing a rectangular pool. The length of the pool is 3 meters more than twice the width of the pool. The perimeter of the pool is 42 meters. What is the width of the pool, in meters?

A 4.5
B 6
C 8
D 10

4. Jake and Matt play a series of tennis matches. The probability that Jake wins a match against Matt is 4/7 What is the probability that Jake wins exactly 3 out of the next 6 matches against Matt?
Round to the nearest tenth

A 0.2
B 0.3
C 0.4
D 0.5

5. Find the sum of all the even numbers between 0 and 50.

A 640
B 645
C 650
D 680

6. In the arithmetic sequence 8, 15, 22, 29, ..., find the 11th term.

A 76
B 80
C 78
D 83

7. In the geometric sequence 4, 12, 36, 108, ..., find the 8th term.

A 8760
B 8766
C 8756
D 8748

8. Find the sum of the first 5 terms of the geometric sequence 2,6,18,54,...

A 239
B 240
C 241
D 242

LIVEWORKSHEETS