Biostatistics test bank

a Japanese organization held a research to study the variation in baby birth weights, the data collected gave a mean of 3.3 kg and a standard deviation of 200 grams. answer the following questions:

1. What is the coefficient of variance?

a) Good, it's 165%

b) Bad, it's 165%

c) Bad it's 130%

d) Bad it's 60.6%

e) Good it's 6.06%

2. What is the variance?

a) .04 kg2

b) 40 kg2

c) 400 kg2

d) 40000 kg2

e) 20000 kg2

3. What is the probability that a baby would weigh between 2.7 and 3.9?

a) 99.7%

b) 75%

c) 68%

d) 98.7%

e) 77.6%

4. What is the probability that a baby would weigh more than 3.8?

a) .99379

b) .00621

c) .99180

d) .0082

e) .97982

5. What is the probability that a baby would weigh up to 120 grams above the mean?

a) .72907

b) .73237

c) .74537

d) .75175

 e) .72575

6. This table shows the probabilities of the performance levels among students after analyzation. If we took a student randomly, what is the probability that he'll have a performance above poor, but still not excellent?

Excellent	Good	Fair	Poor
.68	.16	.06	.10

a) 16%

b) 26%

c) 32%

d) 58%

e) 22%

Answers:

1:e	2:a	3:a
4:b	5:e	6:e

سُبْحَانَ الَّذِي أَسْرَىٰ بِعَبْدِهِ لَيْلًا مِّنَ الْمَسْجِدِ الْحَرَامِ إِلَى الْمَسْجِدِ الْأَقْصَى الَّذِي بَارَكْنَا حَوْلَهُ لِنُرِيَهُ مِنْ آيَاتِنَا ۚ إِنَّهُ هُوَ السَّمِيعُ الْبَصِيرُ