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MATH - 120ONLINE EXAM #2

$$\begin{array}{r} 1.A \quad 280 \\ \hline 289 \end{array}$$

$$= 0.969$$

2.Am Did it in my mind & using on-line calculator.

$$\begin{array}{r} 3.A \quad 1 - \frac{15}{32} \\ \hline 1 \quad \frac{32}{32} \\ 32 - 15 = \frac{17}{32} \end{array}$$

$$\begin{array}{r} 17 \times 10^5 \\ \hline 32 \\ 16 \end{array}$$

$$\begin{array}{r} 17 \\ \hline 32 \\ \hline 15 \\ \hline 32 \end{array}$$

$$17 : 15$$

$$\begin{array}{r} 17 \times 10^2 \\ \hline 153 \end{array} = \frac{34}{3}$$

$$\begin{array}{r} 4.A \quad 152 \\ \hline 1140 \end{array} = 0.133$$

$$\begin{array}{r} 5.A \quad 170 \\ \hline 1198 \end{array} = 0.1493848857644941$$

$$= 0.0223$$

(1)

$$\frac{164}{1137} = \frac{0.14423878627185}{0.148636763412489}$$

6 Am	Positive	Negative	Total
Did use	118	3	121
Did not use	25	148	173
Total	143	151	294

$$\Rightarrow 8 (\text{negative by did not use marijuana})$$

$$= \frac{151}{294} + \frac{173}{294} - \frac{148}{294}$$

$$= \frac{294}{294}$$

7 Am $\frac{464}{8897} = \text{something. Did the slip on calculator.}$

8 Am $\frac{17}{195} = 0.110 \text{ (rounded)}$

9 Am Did it in my mind & using calculator on screen.

$$10 Am \quad \frac{41!}{(41-3)!} = \frac{41!}{38!} = \frac{41 \times 40 \times 39 \times \cancel{38!}}{\cancel{38!}}$$

$$= 63960 = \frac{1}{63960}$$

$$11 Am \quad \frac{13!}{(13-4)!} = \frac{13!}{9!} = \frac{13 \times 12 \times 11 \times 10 \times \cancel{9!}}{\cancel{9!}}$$

$$= 17160$$

$$= \frac{17160}{4!} = \frac{17160}{4 \times 3 \times 2 \times 1} = \frac{17160}{24}$$

(2)

12. Aug

91

=

$$9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1$$

$$(9-7)! = 2!$$

$$2!$$

$$= 181440$$

= 7

$$\frac{181440}{7!}$$

$$7!$$

$$= \frac{181440}{7!}$$

$$7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1$$

$$= \frac{181440}{5040}$$

13. Aug

$x \cdot P(x)$

$x^2 \cdot P(x)$

0

0

0.029

0.029

0.23

0.46

0.651

1.953

1.068

4.272

1.055

5.275

0.702

4.212

0.238

1.666

0.04

0.32

$$\mu = 4.013$$

$$\sigma = \sqrt{18.187 - 16.104169}$$

14. Aug

Did it in my mind & with an 8th grade calculator.

15. Aug

$$\frac{3 \times 40}{38} + \frac{35 \times 10}{38}$$

$$3.157894736842105 - 9.210526315789474$$

$$= \$-6.05$$

$$= 20.11 (3)$$

papergrid

Date: 10 / Oct / 2021

$$28.9 \times 0.25$$

$$7.125$$

$$2.7$$

Entered the rest with on-screen calculator
- long & round.

3157 39 474

(4)