MATH 016 EXAM I Questions

[Run: 07/24/2020 at 18:10 Seed: 2916. Order of Checkable Items: List.]

$_{Xm}$ **I-1.** Given the *tabular number-phrase*

THOUSAND	HUNDRED	TEN		TENTH	HUNDREDTH	THOUSANDTH	
7			7	2		4	**Quarts of Milk**

rewrite it as a *decimal number-phrase*:

$_{Xm}$ **I-2.** Given the *tabular number-phrase*

Clevelands	Franklins	Hamiltons	Washingtons
4		8	2

rewrite it as a *decimal number-phrase* with 8 as pointed digit.

$_{Xm}$ **I-3.** Given the *decimal number-phrase* 8.209 **Clevelands**, rewrite it as a *tabular number-phrase*:

$_{Xm}$ **I-4.** Given the decimal number-phrase 34.2 **Franklins**, rewrite it with the rightmost non-zero digit as pointed digit.

$_{Xm}$ **I-5.** Convert 23758.64 **Grams** to **HECTO Grams**

$_{Xm}$ **I-6.** Convert 7.2864 **HECTO Watts** to **CENTI Watts**

$_{Xm}$ **I-7.** Convert 82.07 **DECI Newtons** to **MILLI Newtons**

$_{Xm}$ **I-8.** All we know about Jane's collection and Jill's collection is that

$$\textbf{Jane's} > \textbf{Jill's}$$

Circle ALL of the following comparison sentences that must be TRUE.

Jill's $>$ **Jane's**	**Jill's** $\geqq$ **Jane's**	**Jill's** $=$ **Jane's**
Jill's $<$ **Jane's**	**Jill's** $\leqq$ **Jane's**	**Jill's** $\neq$ **Jane's**

$_{Xm}$ **I-9.** Given the data set

$\{0, 1, 2, 3, 4, 5, 6, 7, 8\}$ **Liters of Water**

and the formula in **Liters of Water**

$$x > 5$$

What is the solution subset?

χ_m **I-10.** Given the *data set* $\{3.4, 3.5, 3.6, 10.4, 10.5, 10.6, 10.7\}$ **CentiLiters** and the *formula* in **CentiLiters**

$$x \geqq 10.5$$

What is the *solution subset*?

χ_m **I-11.** Given the data set

$30, 40, 50, 60, 70$ **Dollars**

and the formula in **Dollars**

$$x \neq 60$$

What is the *solution subset*?

χ_m **I-12.** Execute 37.84 **Grams of Tungsten** + 52.06 **Grams of Tungsten**

χ_m **I-13.** Execute: 2 **Marines** + 5 **CoastGuards**

χ_m **I-14.** Execute: $7x^{-1} + 8x^{+3}$

χ_m **I-15.** Add 5.013 **PicoFarads** *to* 31.738 **PicoFarads**

χ_m **I-16.** Subtract 727.005 **Miles** *from* 8 048.034 **Miles**

χ_m **I-17.** Subtract 4 008.34 **Gizmos** *from* 8.034 **Gizmos**

χ_m **I-18.** Execute [13 **Mathematicians**] × [3 **Mathematicians**]

χ_m **I-19.** Execute: 17 × [3 **Physicists**]

χ_m **I-20.** Execute [23.4 **Meters**] × [13.8 **Meters**]

χ_m **I-21.** Execute the specifying-phrase [3.72 **Tons of Steel**] × $\left[1.20\ \frac{\textsf{HectoDollars}}{\textsf{Tons of Steel}}\right]$

χ_m **I-22.** Given that ***Pints of Cream*** sell at 2.34 $\frac{\textsf{Dollar}}{\textsf{Pints of Cream}}$, how many ***Pints of Cream*** can we buy with 40 **Dollar**?

χ_m **I-23.** Given that we have TWENTY ***Dollars***, what is the highest unit price for ***flashlights*** at which we can buy SIX ***flashlights***?

χ_m **I-24.** Divide 8 304 by 15 What is the *remainder*?

χ_m **I-25.** What is the *second* digit of the *quotient* in the division of 6 182 by 13?