


FNMT 016 CLASSWORK 4

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[Run: 09/18/2016 at 16:44 Seed: 6477. Order of Checkable Items: List.]

Cw 4-1. Given the *real-world* situation in which Jack has  and

Jane has , circle ALL the comparison sentences that represent it on *paper*.

- M $\text{Jack} > \text{Jill}$
- N $\text{Jack} < \text{Jill}$
- P $\text{Jack} \geq \text{Jill}$
- Q $\text{Jack} \leq \text{Jill}$
- R $\text{Jack} = \text{Jill}$
- S $\text{Jack} \neq \text{Jill}$

Your Work:

i. You must make your case for whatever you are asserting.

ii. Circle which of the following choices corresponds to your result.

- a. N, S
- b. S
- c. N, Q, S
- d. Q
- e. None of the above four choices

Cw 4-2. Circle ALL the comparison sentences that are FALSE.

$$\begin{array}{lll}
 4 \text{ Dollars} > 4 \text{ Dollars} & 4 \text{ Dollars} \geq 4 \text{ Dollars} & 4 \text{ Dollars} = 4 \text{ Dollars} \\
 4 \text{ Dollars} < 4 \text{ Dollars} & 4 \text{ Dollars} \leq 4 \text{ Dollars} & 4 \text{ Dollars} \neq 4 \text{ Dollars}
 \end{array}$$

Your Work:

i. You must make your case for whatever you are asserting.

ii. Circle which of the following choices corresponds to your result.

- a. $4 \text{ Dollars} > 4 \text{ Dollars}$
- b. $4 \text{ Dollars} > 4 \text{ Dollars}$, $4 \text{ Dollars} < 4 \text{ Dollars}$
- c. $4 \text{ Dollars} \geq 4 \text{ Dollars}$
- d. $4 \text{ Dollars} \leq 4 \text{ Dollars}$
- e. None of the above four choices

Cw **4-3.** All we know about Mary's collection and Larry's collection is that

$$\text{Mary} \geq \text{Larry}$$

Circle ALL of the following comparison sentences that are TRUE.

$$\begin{array}{lll}
 \text{Larry} > \text{Mary} & \text{Larry} \geq \text{Mary} & \text{Larry} = \text{Mary} \\
 \text{Larry} < \text{Mary} & \text{Larry} \leq \text{Mary} & \text{Larry} \neq \text{Mary}
 \end{array}$$

Your Work:

i. You must make your case for whatever you are asserting.

ii. Circle which of the following choices corresponds to your result.

- a. Larry \geq Mary
- b. Larry $<$ Mary
- c. Larry = Mary
- d. Larry \neq Mary
- e. None of the above four choices

Cw 4-4. Given the data set

0 Bananas, 1 Bananas, 2 Bananas, 3 Bananas, 4 Bananas, 5 Bananas, 6 Bananas

and the formula in Bananas

$$x < 4$$

What are the solutions?

Your Work:

i. You must make your case for whatever you are asserting.

ii. Circle which of the following choices corresponds to your result.

- a. 0 Bananas, 1 Bananas, 2 Bananas, 3 Bananas, 4 Bananas
- b. 0 Bananas, 1 Bananas, 2 Bananas, 3 Bananas
- c. 4 Bananas, 5 Bananas, 6 Bananas
- d. 5 Bananas, 6 Bananas
- e. None of the above four choices

Cw 4-5. Given the *data set* $\{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ **Quarts of Soda** and the *formula* in **Quarts of Soda**

$$x \geq 4$$

What is the *solution subset* in **Quarts of Soda**?

Your Work:

i. You must make your case for whatever you are asserting.

ii. Circle which of the following choices corresponds to your result.

- a. 5, 6, 7, 8, 9, 10 b. 4, 5, 6, 7, 8, 9, 10
- c. $\{4, 5, 6, 7, 8, 9, 10\}$ d. $\{5, 6, 7, 8, 9, 10\}$
- e. None of the above four choices