MATH **016** CLASSWORK 4

[Run: 07/24/2020 at 16:11 Seed: 6477. Order of Checkable Items: List.]

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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   **Jack > Jill**
N   **Jack < Jill**
P   **Jack ≥ Jill**
Q   **Jack ≤ Jill**
R   **Jack = Jill**
S   **Jack ≠ 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.

4 **Dollars** > 4 **Dollars**   4 **Dollars** $\geqq$ 4 **Dollars**   4 **Dollars** = 4 **Dollars**

4 **Dollars** < 4 **Dollars**   4 **Dollars** $\leqq$ 4 **Dollars**   4 **Dollars** $\neq$ 4 **Dollars**

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 **Dollars** > 4 **Dollars**
b. 4 **Dollars** > 4 **Dollars**, 4 **Dollars** < 4 **Dollars**
c. 4 **Dollars** $\geqq$ 4 **Dollars**
d. 4 **Dollars** $\leqq$ 4 **Dollars**
e. None of the above four choices

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

$$\text{Mary} \geqq \text{Larry}$$

Circle ALL of the following comparison sentences that are TRUE.

Larry > **Mary**   **Larry** $\geqq$ **Mary**   **Larry** = **Mary**

Larry < **Mary**   **Larry** $\leqq$ **Mary**   **Larry** $\neq$ **Mary**

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 $\geqq$ **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 Oil** and the *formula* in **Quarts of Soda**

$$x \geqq 4$$

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

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