## Process Standards Rubric <br> Number and Operations

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## Task Sheet 2

2a) Many parts of the world are getting to be quite crowded. Below we have listed ten countries ranked in order of their population (greatest to least). Your task is to match each country with the correct population figure.

| China |  |
| :--- | :--- |
| United States |  |
| Indonesia |  |
| Mexico |  |
| Vietnam |  |


| Germany |  |
| :--- | :--- |
| Egypt |  |
| Iran |  |
| Thailand |  |
| Canada |  |


| $82,400,996$ | $234,693,997$ | $85,262,356$ | $30,140,264,543$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $65,068,149$ | $1,321,851,888$ | 108,700, | $65,97,521$ | $301,139,947$ |

b) If you add the populations of nin a un ies in the above chart that have a smaller population tha Chind ste bolned total greater than China's?

c) The population of the United States is projected to increase by about 1\% per year. If that holds true, what would its approximate population be after one year?
i) $346,238,112$
ii) $312,367,189$
iii) $304,151,346$
iv) $301,876,324$

NAME: $\qquad$

## Review B

a) Calculate the mean, mode and median for the following list of numbers.

- $234,298,125,345,745,125,541$

| Mean |  |
| :--- | :--- |
| Mode |  |
| Median |  |

b) Place $\mathbf{a}<$ or > sign between each pair of fractions to indicate which is greater.
i) $5 / 8-7 / 8$
ii) $2 / 3-5 / 8$
iii) $1 / 3-3 / 8$
iv) $1 / 2-5 / 8$
v) $3 / 6$ $\qquad$
c) Replace each blank with the correct digit.
i) 21 $\qquad$ $341+8567=218908$
ii) $23.074-12.7$
iii) $2 \times 6$. $=58.88$
d)

Mrs. Wormstead baked a batch of total of 15 cookies. Mrs. Wa stea of this batch. If she than bak oure cookies that Mrs. Wo
i) 40
ii) 55 ad
e) Meredith finishes $c$ ace in 39.761 seconds. Her friend Amanda also ran in the same race. Weknow the following about Amanda's results:

- The number in the thousandths column is twice that of Meredith's
- The digit in the tens column was six more than Meredith's
- The number in the tenths column was five less than Meredith's

What is Amanda's time?
Answer = $\qquad$
f) The following numbers are written in expanded form. Rewrite them in standard form.
i) $4 \times 10^{3}+3 \times 10^{2}+5 \times 10=$
ii) $7 \times 10^{3}+8 \times 10^{2}+2 \times 10=$

## Percentages, Rounding, Ordering, Patterning

a) The owner of a local sports store has discounted every item in stock. Calculate the sale price for the following items.

|  | ITEM | RETAIL PRICE | DISCOUNT | SALE PRICE |
| :--- | :--- | :---: | :---: | :---: |
| i) | A baseball glove | $\$ 60$ | $40 \%$ |  |
| ii) | A bicycle | $\$ 640$ | $20 \%$ |  |
| iii) | A hockey stick | $\$ 135.95$ | $12.5 \%$ |  |
| iv) |  |  |  |  |

b) Round off the following numbers to the nearest tenth.
i)
ii)
iii)
lea:
greatest (may include fractions and decimals).
d) What fraction is halfway between $\qquad$ and $\qquad$ Answer: $\square$
e) One number in the following set is not equivalent to the others. Determine which number it is and explain why.


