$\qquad$

## Measuring Mass Practice

Read the following triple beam scales and determine the masses. Triple Beam Balances measure in grams.

1. $\qquad$ g

|  | 100 | 200 |  | 300 | 400 | 500 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |



2. $\qquad$

|  | 100 | 200 |  | 300 | 400 | 500 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

 $\begin{array}{llllllllll}1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10\end{array}$
3. $\qquad$ g

|  | 100 |  | 200 |  | 300 |  | 400 | 500 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

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$\begin{array}{lllll}6 & 7 & 8 & 9 & 10\end{array}$
4. $\qquad$

6. $\qquad$
5. $\qquad$ g

7. Read the triple beam balance below. What is the mass in grams? $\qquad$ g
8. Read the triple beam balance below. What is the mass in mg? (THINK: how many mg in $1 g$ ?) $\qquad$ mg

| 100 | 200 |  | $300$ |  | 400 |  | 500 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1020 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |  |  |
| $\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|\\|$ |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 4 | 5 | $\Delta$ | 7 | 8 | 9 | 10 |

$\qquad$
9. Looking at the triple beam balance:
a. What is the largest mass that can be weighed on the balance? g
b. What is the smallest mass that can be weighed on the balance? $\qquad$
10. If you had to explain the procedure on how to use a triple beam balance to a new student, what would the steps be? (start with calibrating and explain step by step. You may bullet or number the procedure).
11. Which is larger?
a. 178 g or 1 kg
b. 300 g or 3000 kg
c. 1200 mg or 1 kg
d. 70 mg or 7 g
e. 34 g or 3.4 kg
f. 12 g or 1.2 mg

Now you really have to take your time and be a thinker! Do not let all the words intimidate you. You have all the knowledge you need to answer these questions. Use you notes, worksheets and mostly your NOODLE!

## Show your work!

12. There was a 1 m stick that has a mass of 5 grams. What would 2 m of the same stick's mass be? $\qquad$
13. My shoe has a mass of 1,200 grams. How many grams would 2 of my shoes be? $\qquad$ g
a. How many mg would both shoes be? $\qquad$ mg
14. My calculator has a mass of 200 grams. How many caculators would it take to make a mass of 1 kg ?
$\qquad$ calculators
15. How much would I weigh in kg ? $2.2 \mathrm{lb}=1 \mathrm{~kg}$
my estimated weight $\qquad$ lbs my calculated weight $\qquad$ kg
16. Once you finished the worksheet show your teacher and you can weigh yourself on the scale to check your answers! Write down your answers from the scale. My measured weight was $\qquad$ kg.
