

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Use the chart to help you answer the following questions:

1 kilogram	100 grams	10 grams	1 gram

- a. Isaiah puts a 10 gram weight on a pan balance. How many 1 gram weights does he need to balance the scale?
  
  
  
  
  
  
  
  
  
  
- b. Next, Isaiah puts a 100 gram weight on a pan balance. How many 10 gram weights does he need to balance the scale?
  
  
  
  
  
  
  
  
  
  
- c. Isaiah then puts a kilogram weight on a pan balance. How many 100 gram weights does he need to balance the scale?
  
  
  
  
  
  
  
  
  
  
- d. What pattern do you notice in Parts (a–c)?

2. Read each digital scale. Write each weight using the word *kilogram* or *gram* for each measurement.



## Answer Key

1.
  - a. 10
  - b. 10
  - c. 10
  - d. They all need 10 to get to the next unit.
2. Top row, left to right: 3 kilograms; 6 kilograms; 450 grams  
Bottom row, left to right: 907 grams; 11 kilograms; 1 kilograms