$\qquad$

Note: Students need a centimeter ruler and 6 small paper clips to complete the assessment.

1. Use your ruler to find the length of the pen and the Marker.

b. How long is the pen? $\qquad$ centimeters
c. Which is longer? $\qquad$ pen $\qquad$ Marker
d. How much longer? $\qquad$ centimeters
2. Alex and Reagan are having a jumping contest and need to measure each of their jumps.

a. Circle the most appropriate tool to measure their jumps.
ruler popsicle stick paper clips meter stick
b. Explain your choice using pictures or words.
c. Reagan jumps 7 meters, which is 3 meters farther than Alex jumped. How far did Alex jump? Draw a diagram or picture to show the length of their jumps.
d. Riley jumped 3 meters farther than Reagan. Who won the contest? How do youknow?
3. Use the centimeter ruler below to solve the problem.

A frog jumped 7 centimeters forward and 4 centimeters back and then stopped. If the grasshopper started at 2, where did the grasshopper stop? Show your work.

cm
4. Use the following pencils to answer questions following questions:

Riley's Pencils

a. Measure the length of Pencil 1 with your centimeter ruler and your paper clip. Write the measurements on the lines below.
$\qquad$ centimeters
____ paper clips
b. Explain why the number of centimeters is larger than the number of paper clips. Use pictures or words.
c. Estimate the length of Pencil 2 in paper clips.
$\qquad$ paper clips
d. How much longer is Pencil 1 than Pencil 2? Give your answer in centimeters.
e. Riley needs a pencil that is over 6 cm long. Which pencil will Riley choose to use? How much longer is the pencil she will use?
f. If Riley stacks the two pencils together, how long will be the two pencils together?

