Name _____ Date _____

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 pencil and the crayon.

a. How long is the crayon? _____ centimeters

b. How long is the pencil? _____ centimeters

c. Which is longer? pencil crayon

d. How much longer? _____ centimeters

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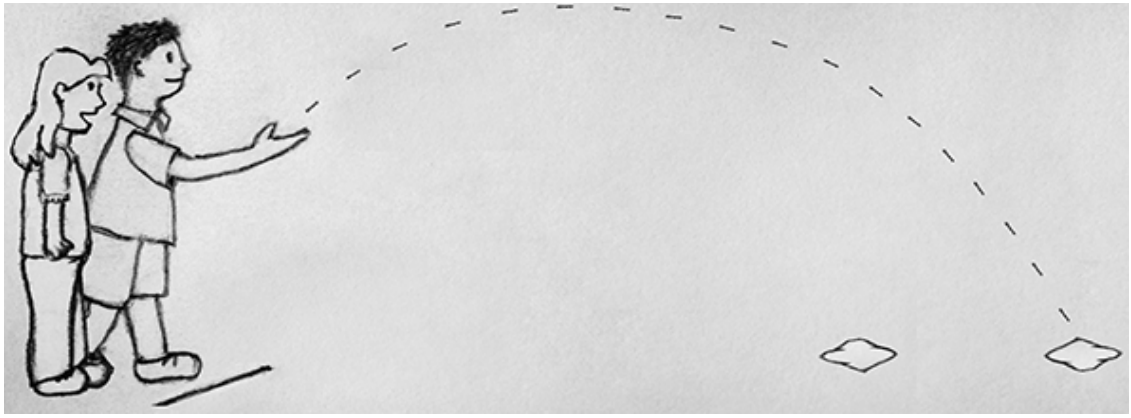
2. Samantha and Bill are having a beanbag throwing contest and need to measure each of their throws.



a. Circle the most appropriate tool to measure their throws.

ruler paper clips meter stick centimeter cubes

b. Explain your choice using pictures or words.

c. Bill throws his beanbag 5 meters, which is 2 meters farther than Samantha threw her beanbag. How far did Samantha throw her beanbag? Draw a diagram or picture to show the length of their throws.

d. Sarah threw her beanbag 3 meters farther than Bill. Who won the contest? How do you know?

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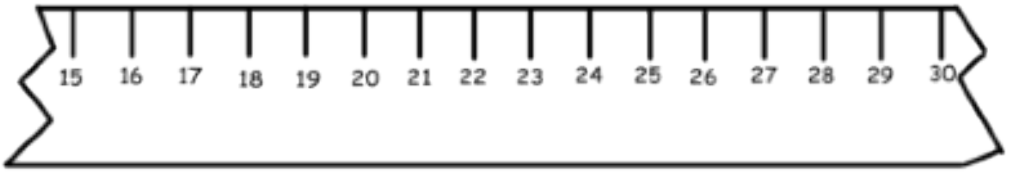
3. Use the broken centimeter ruler to solve the problem.

   A grasshopper jumped 7 centimeters forward and 4 centimeters back and then stopped. If the grasshopper started at 18, where did the grasshopper stop? Show your work.



4.

Vanessa's Ribbons

Ribbon A *Ribbon B*

a. Measure the length of Ribbon A with your centimeter ruler and your paper clip. Write the measurements on the lines below.

   _____ centimeters _____ paper clips

b. Explain why the number of centimeters is larger than the number of paper clips. Use pictures or words.

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c. Estimate the length of Ribbon B in paper clips.

_____ paper clips

d. How much longer is Ribbon A than Ribbon B? Give your answer in centimeters.

e. Vanessa is using the ribbons to wrap a gift. If she tapes the ribbons together with no overlap, how many centimeters of ribbon does she have altogether?

f. If Vanessa needs 20 centimeters of ribbon, how much more does she need?

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