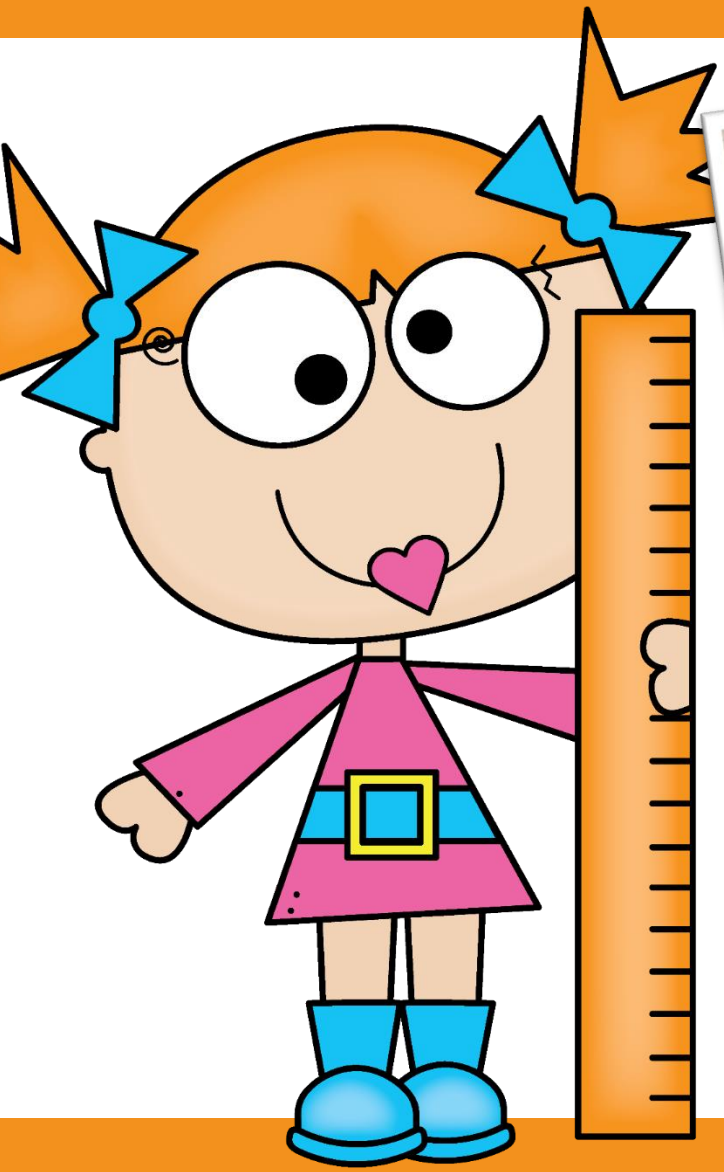
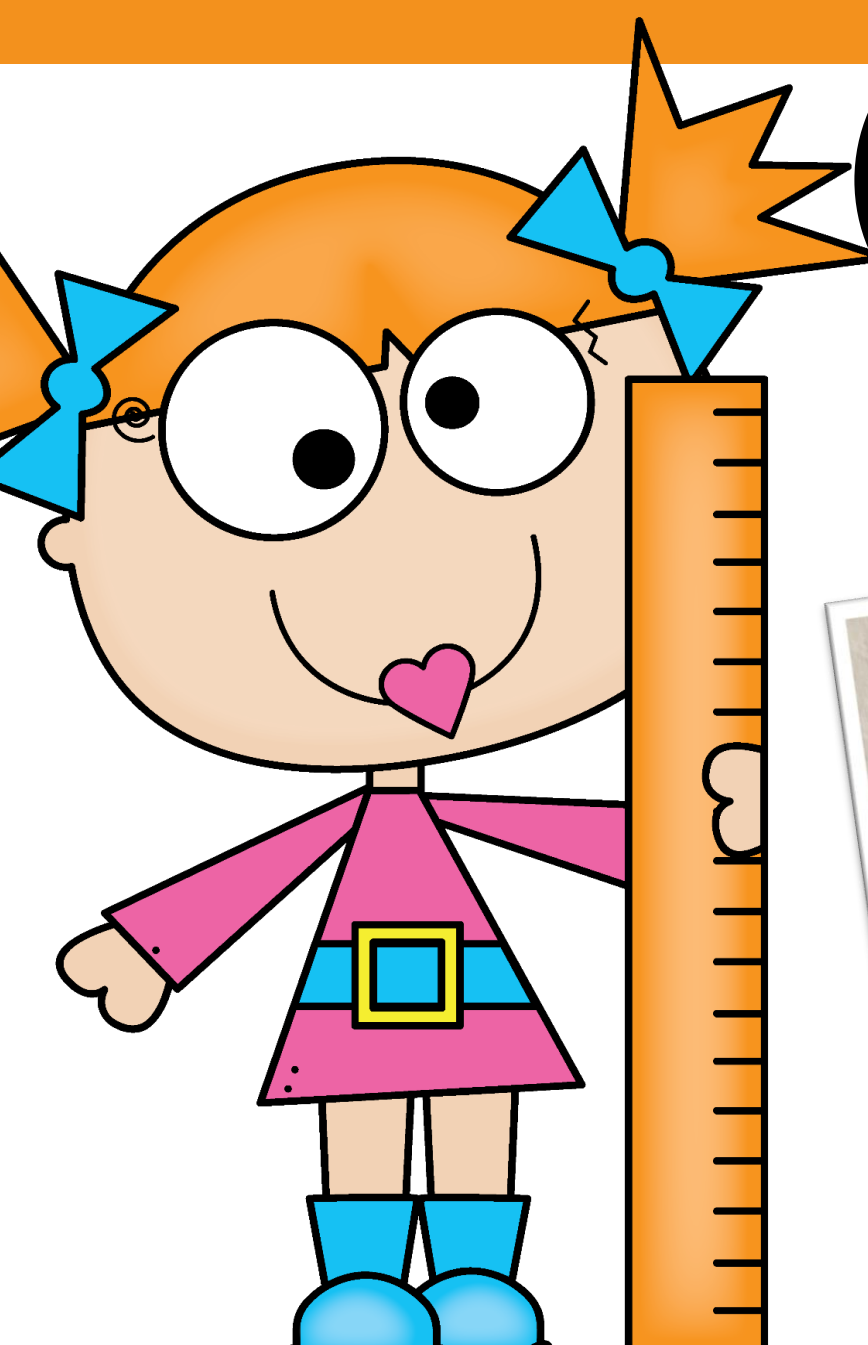
STANDARD MEASUREMENT

HANDS ON LESSONS & ACTIVITIES FOR THE PRIMARY GRADES!



CREATED BY: SUSAN JONES (HTTP://THANKGODITSFIRSTGRADE.BLOGSPOT.COM)

STANDARD MEASUREMENT :



OBJECTIVES :

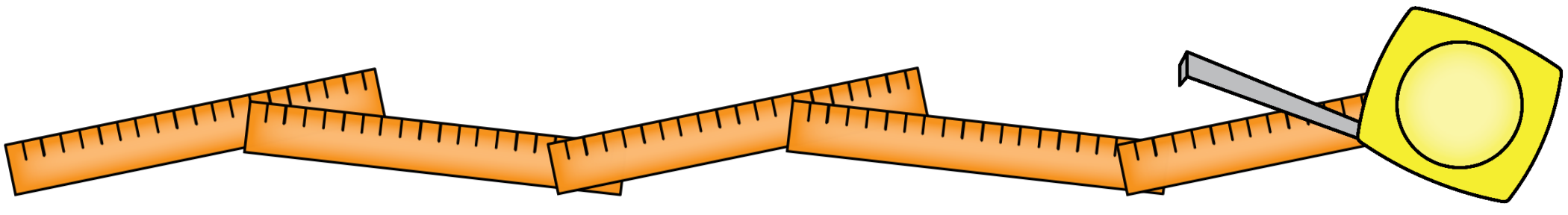
Students will be able to:

- Measure accurately with different tools.
- Estimate lengths using inches, feet, and centimeters.
- Compare lengths of different items using standard measurements.

STANDARD MEASUREMENT :

LESSONS:

- We Rule the Room
- Block Towers
- Leaping Lizards!
- Pick the Tool
- What's wrong? - explanation tasks
- Standard measurement task cards.
- Practice pages.



LESSON I.

WE RULE THE ROOM!

This is a simple measure-the-room starter lesson to get students used to using both sides of a ruler. Students will simply walk around their classroom with their ruler, find the objects on the cards, and measure them with their ruler. They will record the length in inches and in centimeters.

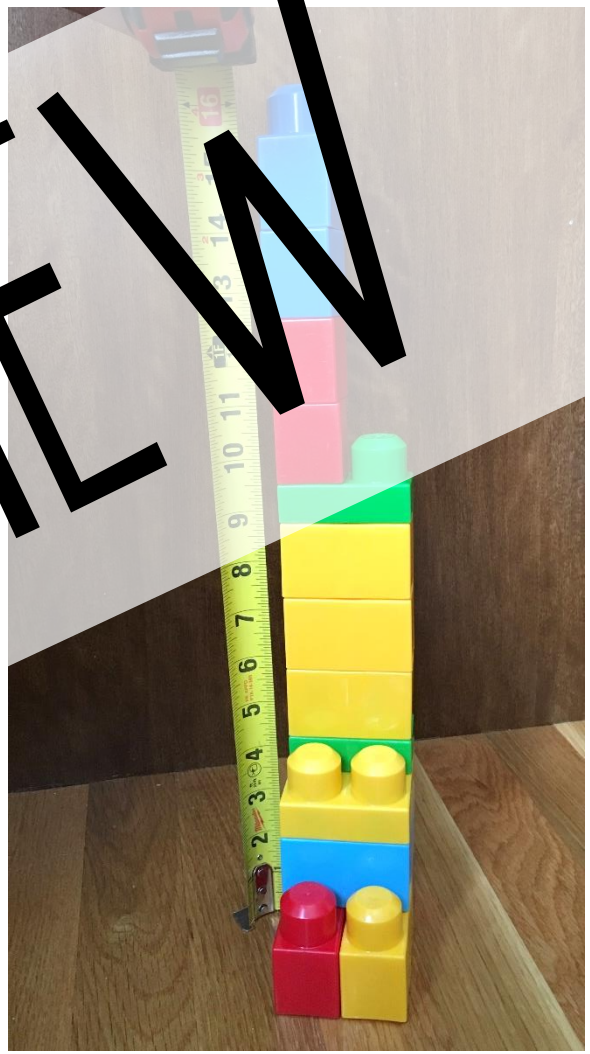
TIPS

- This lesson is done after I show my students (whole group) what a ruler is and how to read both sides. I do this using a doc-cam so my students can closely see all the marks on a ruler.
- I usually have my students work in pairs during this lesson, so they can check one another's work.

LESSON 2.

BLOCK TOWERS

For this lesson, I simply put a bunch of blocks (Legos, Duplos, Mega Blocks, etc.) in a plastic bag. I challenge my students to build the largest tower they can. Once they have built their tower, my students use a measuring tape to see how tall their tower is! Once all students towers are built, we bring them to the mat, share our results and order the towers from shortest to tallest.



PREVIEW

TIPS:

- If Legos or Duplos aren't available, any connecting blocks will work!
- .During my modeled lesson, I share how to properly measure with a measuring tape.

LESSON 3.

LEAPING LIZARDS

In this lesson students will get into groups of 3 or 4 and practice jumping as far as they can. I tape a line on the floor and students have to stand behind it. Each student in the group gets their own lizard to represent them as they get one chance to jump as far as they can. The other students in the group will mark how far they leapt with the lizard. When all students have made their jump, they will measure and compare leaps with a yard stick.

PREVIEW

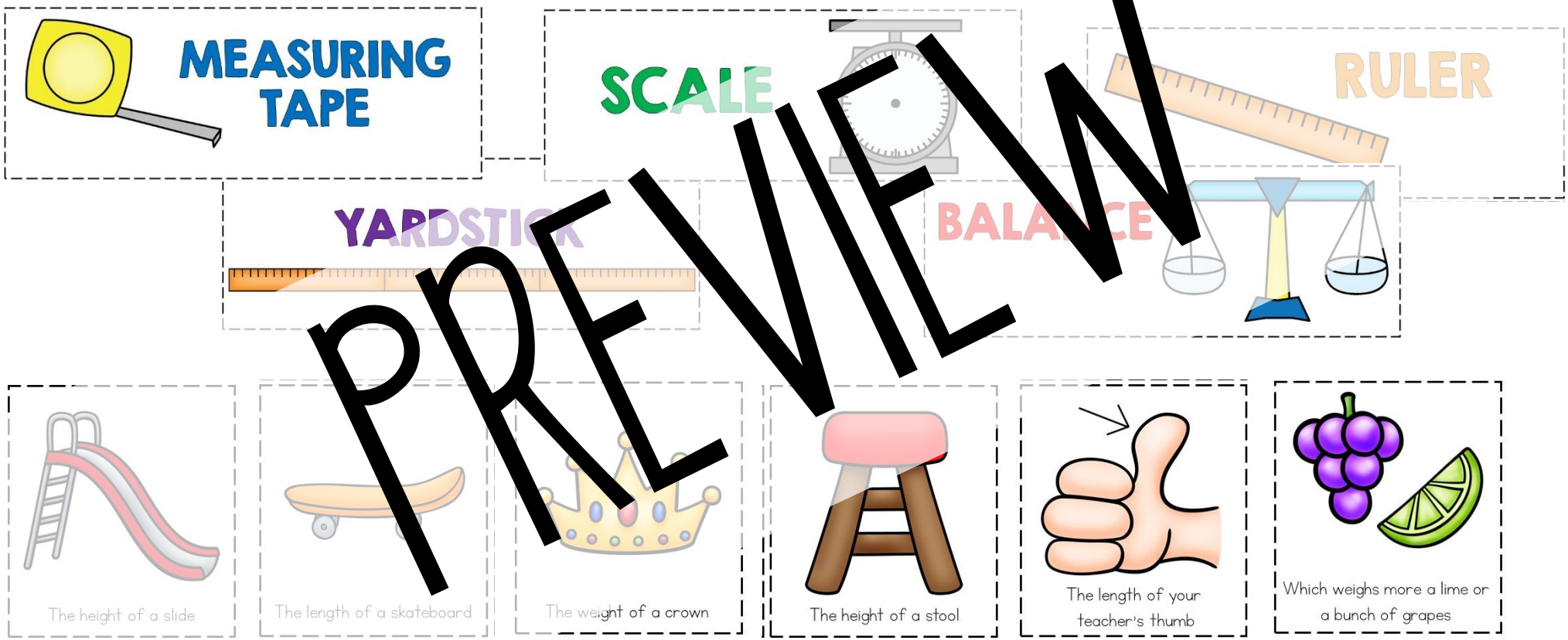
TIPS

- During the modeled lesson, I make sure to show students to measure from the tape line to the lizard in a straight line.
- I also have students brainstorm what to do if someone jumped longer than the length of a yardstick.
- I like to bring all students back to the rug at the end and have groups share their findings.

LESSON 4.

PICK THE TOOL

This sorting lesson has students choosing the correct tool to measure the objects and scenarios below. Students simply pick an object/scenario card and sort under the "best" header. Many of these items can be sorted under multiple, but what is important here is the debate and reasoning students have for which measurement tool they think is best.



PREVIEW

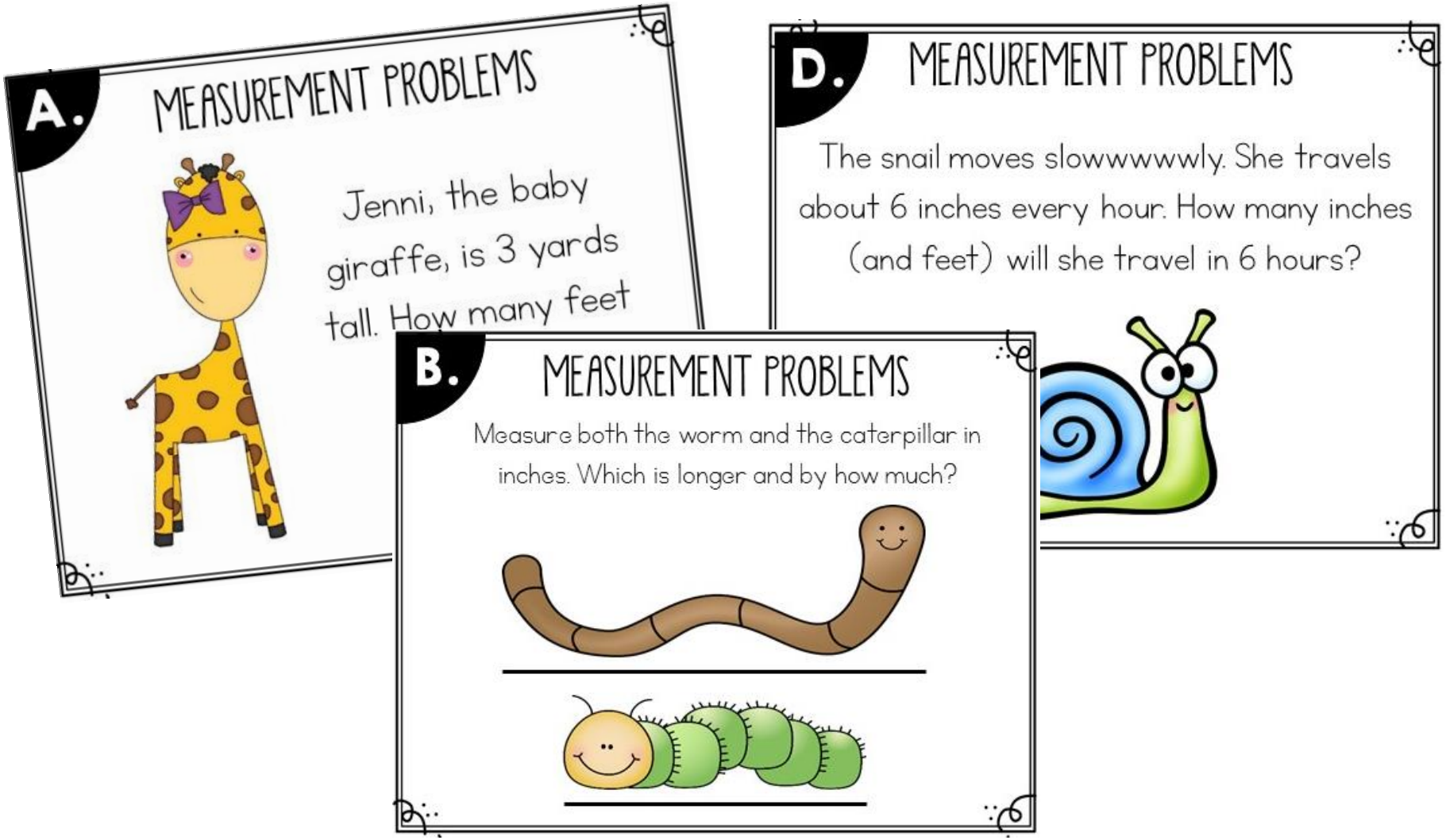
TIPS:

- This lesson can also be done whole group by playing "4 Corners" (this time 5 or 6 corners) - just tape up each tool in a corner of your room. Have students work in pairs to discuss and determine which tool they think would be best to measure that object.
- During my modeled lesson, we review each tool and why we may want to use it. I also ask students when they have seen that tool being used before.

LESSON 5.

MEASUREMENT PROBLEMS

Students will solve mathematical problems based on what they have learned about measuring, addition, and subtraction. Students will get the chance to explain and show their thinking.



TIPS

- These can be great for small group instruction as some are more difficult than others and require more teacher-led instruction.

STANDARD TASK CARDS

These task cards are simple ways to have students practice measuring with standard units. Once you have taught the correct ways to measure and gone through some other, more guided lessons, students can complete these on their own. There are half-page recording sheets you can reproduce for students to record their learning.

TASK SEVEN

Grab a yardstick and measure the length of the largest rug in your classroom.

TASK EIGHT

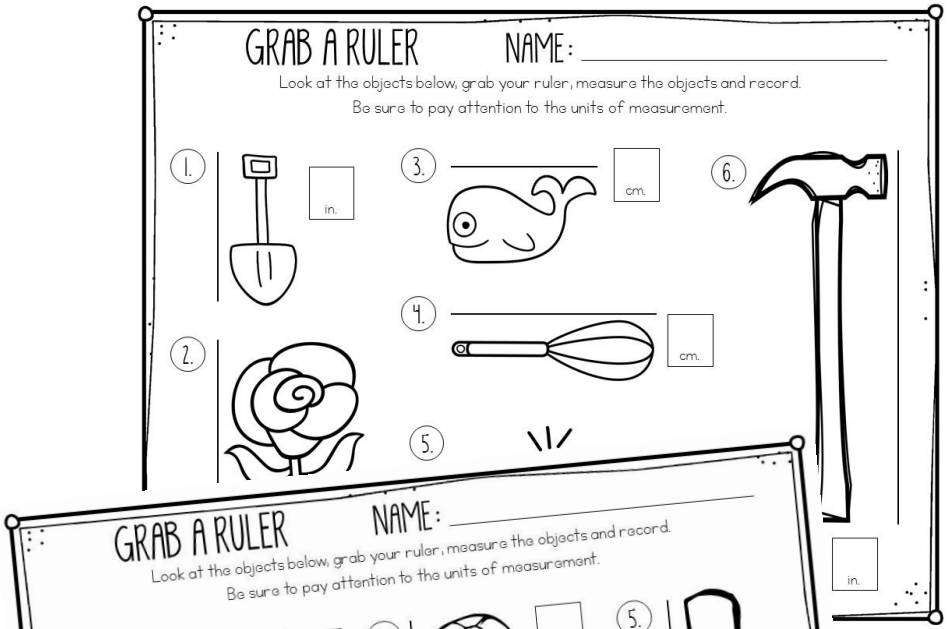
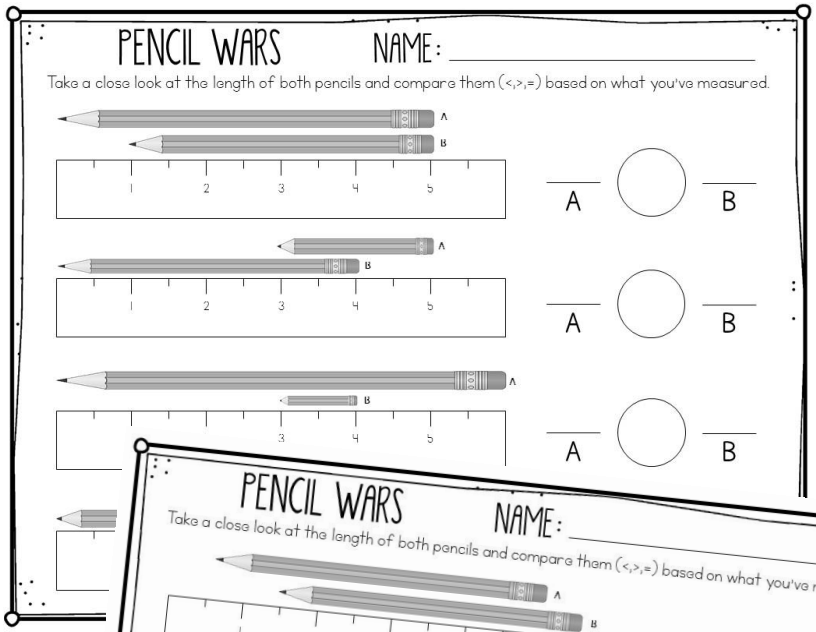
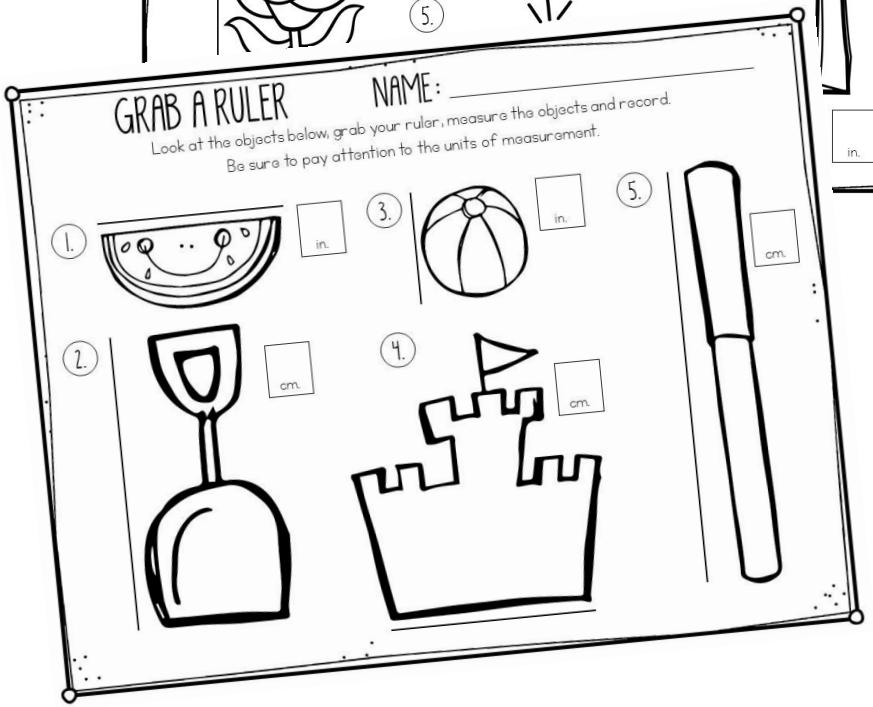
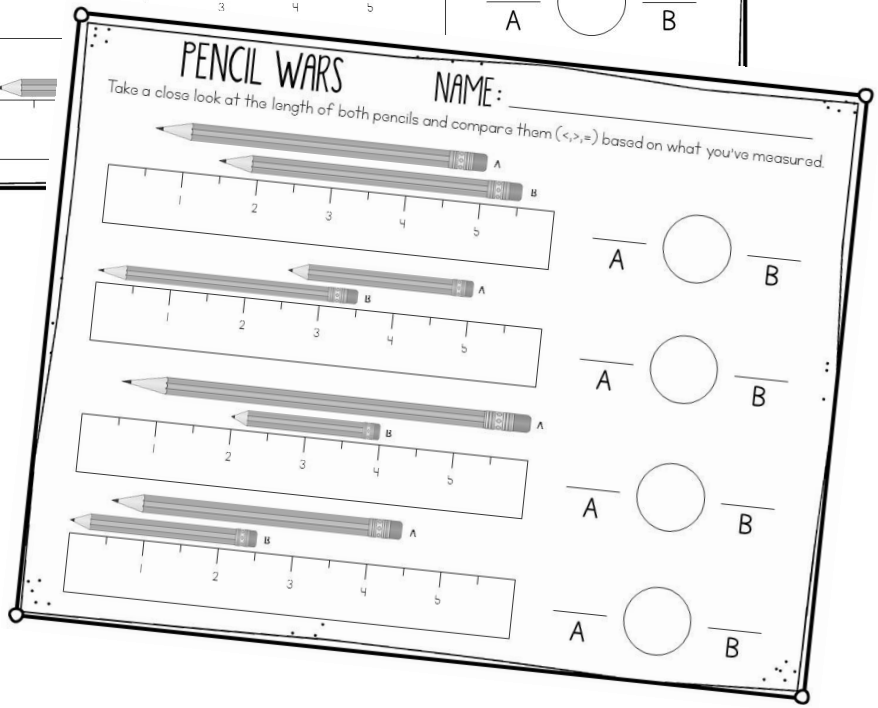
Grab a pencil and paper. Draw a rectangle that is 7c wide and 3cm tall. Now dra another rectangle that is lc longer on each side.

TASK TWELVE

What unit is the best to measure each object below?

inches feet yards

1. HEIGHT OF A GIRAFFE
2. HEIGHT OF A MUG
3. HEIGHT OF A BUILDING

PRACTICE PAGES

These are some paper and pencil pages to have students practice standard measurement. These are also great for homework pages.