



UNIT 7: Measurement

20 days of math lesson plans, PowerPoints & activities

Centimeter Rulers

INCH, FOOT, & YARD

MEASUREMENT
Inches, feet, and yards

ESTIMATING LENGTH

7.18 WORD PROBLEMS

Unit 7 Lesson 3

Homework

INCH

Unit 7 Lesson 10

Exit Ticket

UNIT 7 REVIEW

2ND GRADE MEASUREMENT MATH UNIT

20 FULL DAYS OF ENGAGING MATH LESSONS & ACTIVITIES

BOARD GAME

FINISH

BACK 5 SPACES

GO AGAIN

BACK 4 SPACES

UP 2 SPACES

LOSE A TURN

CARD 11

CARD 3:

CARD 6:

of this assured if?

Mrs. Nguyen bought a kite. She measured the length of the kite. She found it was 12 inches long.



UNIT 7: MEASUREMENT *at a glance*

Day 1 Inch Tiles	Day 2 Inches with Rulers	Day 3 Inches with Rulers	Day 4 Measuring with Feet	Day 5 Measuring with Feet
Day 6 Measuring Tape	Day 7 Inches and Feet	Day 8 Inches and Feet	Day 9 Yards	Day 10 Centimeters
Day 11 Centimeters	Day 12 Meters	Day 13 Centimeters and Meters	Day 14 Centimeters and Meters	Day 15 Estimating Length
Day 16 Estimating Length	Day 17 Word Problems	Day 18 Word Problems	Day 19 Review	Day 20 Assessment

THIS UNIT COVERS THE FOLLOWING COMMON CORE MATH STANDARDS: 2.MD.1, 2.MD.2, 2.MD.3, 2.MD.4, & 2.MD.5

Notes:

Easily see your whole week at a glance
with the unit pacing guide.



7.3 MEET T!

MATERIALS FOR TEACHER: 8 objects that ar

MATERIALS FOR STUDENTS: answer sheet

ACTIVITY:

Prep: Gather 8 ob
Place them arou
measure.

Tell the students
these objects us
to the nearest in

7.3 INCHES WITH RULERS

I CAN STATEMENT

I can measure objects
using a ruler to the
nearest inch.

MATERIALS

7.3 PPT
7.3 printouts
ruler
document came

VOCABULARY

length
inch
ruler

MINI LESSON

Spend the first few minutes of the lesson co
slides. These slides allow students to practice

7.10 CENTIMETERS

I CAN STATEMENT

I can measure objects in
centimeters.

MATERIALS

7.10 PPT

VOCABULARY

length
centimeter
ruler

7.16 ME THE TEACHER

MATERIALS FOR TEACHER: jour

7.18 WORD PROBLEMS

UNIT 7: MEASUREMENT at a glance

Day 1 Inch Tiles	Day 2 Inches with Rulers	Day 3 Inches with Rulers	Day 4 Measuring with Feet
Day 6 Measuring Tape	Day 7 Inches and Feet	Day 8 Inches and Feet	Day 9 Yards
Day 11 Centimeters	Day 12 Meters	Day 13 Centimeters and Meters	Day 14 Centimeters and Meters
Day 16 Estimating Length	Day 17 Word Problems	Day 18 Word Problems	Day 19 Review

THIS UNIT COVERS THE FOLLOWING COMMON CORE MATH STANDARDS: 2.MD.1, 2.MD.2, 2.MD.3, 2.MD.4, & 2.MD.5

Notes:

7.16 ESTIMATING LENGTH

I CAN STATEMENT

I can estimate the length
of an object using inches,
feet, and yards.

MATERIALS

7.16 PPT
7.16 printouts
measuring tape

VOCABULARY

length
inch
ruler
foot
measuring tape
yard
estimate

MINI LESSON

Spend the first few minutes of the lesson completing the fact fluency
slides. These slides allow students to practice adding nine to numbers under
20.

Using the PPT, complete the warm-up questions with students. These
questions are a review of using a ruler to find the length of a line to the
nearest inch.

Using the PPT, review the following vocabulary terms: length, inch, ruler, foot,
measuring tape, yard, and estimate. Tell the students that today we will be
practicing estimating lengths using inches, yards, and feet.

Model how to look around the classroom and find objects that are close to
the given length. Then, use a measuring tape to measure the object and
determine how close your measurement was.

INTERVENTION

If students are struggling, have them take
a ruler to measure objects to see how
close the lengths are. Once they are more
comfortable with the length, challenge
them to look without the ruler.

EXTENSION

Challenge students to estimate the
length of objects around the
classroom, then measure to check
their estimates.

VOCABULARY

length
inch
ruler
foot
measuring tape
yard
centimeter
meter
meterstick
estimate

ing the fact fluency
g nine to numbers under

students. These
asurement.

length, inch, ruler, foot,
nd estimate.

udents by having them
s explain each step of

problems.

EXTENSION

ents to write their own
word problems.

e is finished, grade

Includes whole group and differentiated
small group lesson plans with activities.

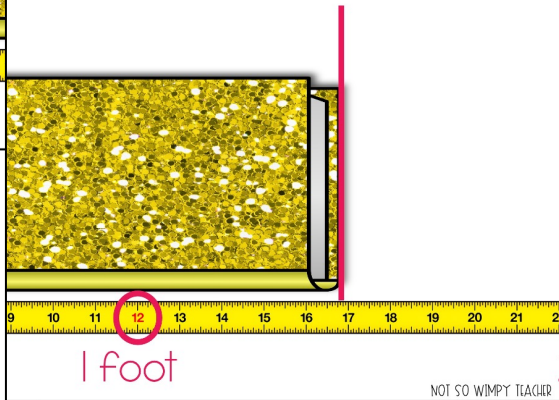
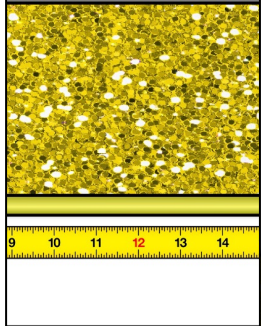
Measuring Tape

Use the measuring tape to find the total length of the book to the nearest foot.



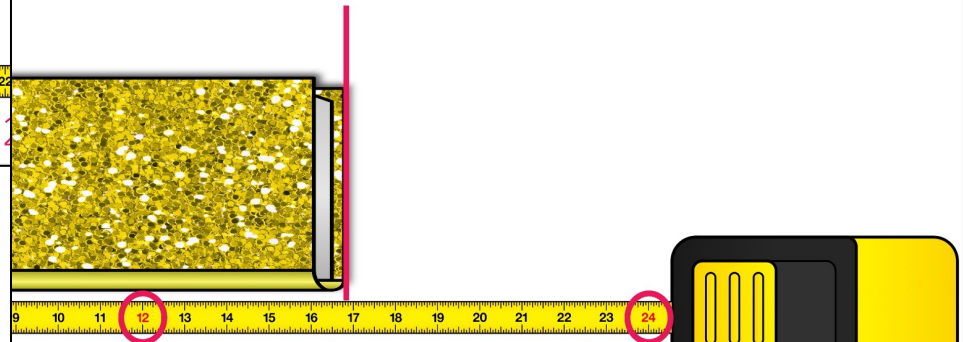
Measuring Tape

I know there are 12 inches in one foot.
 $12 + 12 = 24$, so there are 24 inches in two feet.



Measuring Tape

The ending mark on the book is at 17 inches. 17 inches is closer to 12 inches than 24 inches.
The book is about 1 foot long.



Deliver great lessons with step-by-step PowerPoints for teaching math skills.



Unit 7 Assessment

Directions: Use a ruler to find the length of the rectangles.

-
-
-
-

Directions: Use the given rulers to measure the length.

- length: _____

Unit 7 Lesson 5 Level Up



Directions: Determine if the object should be measured in inch or feet.

Object	Inch or Feet
1. Eraser	
2. Bookshelf	
3. Car	
4. Your hand	
5. The desk	

Unit 7 Lesson 14 Homework

Directions: Determine if the length of each real-life item should be measured in centimeters or meters.

- _____ meters
- _____
- _____


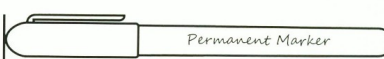
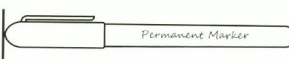

Unit 7 Lesson 14 Exit Ticket

Directions: Determine if the length of each real-life item should be measured in centimeters or meters.


- _____

Unit 7 Lesson 3 Homework

Directions: Use a ruler to measure the length of each marker to the nearest inch.

-  length: 3 inches
-  length: 5 inches
-  length: 4 inches
-  length: 1 inch

Directions: Use a ruler to draw a line with each given measure.

- 7 inches 
- 3 inches
- 4 inches

Problem Set

Directions: Measure the length of each line to the nearest foot.





Unit 7 Lesson 7 Exit Ticket

Directions: Use the tape measurer below to answer true or false for each question.



_____ true / false

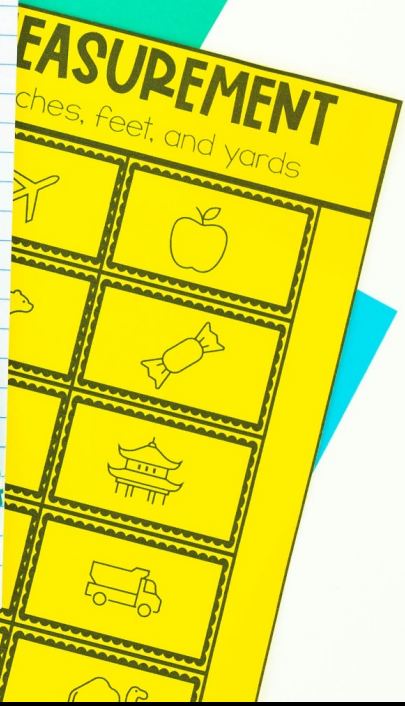
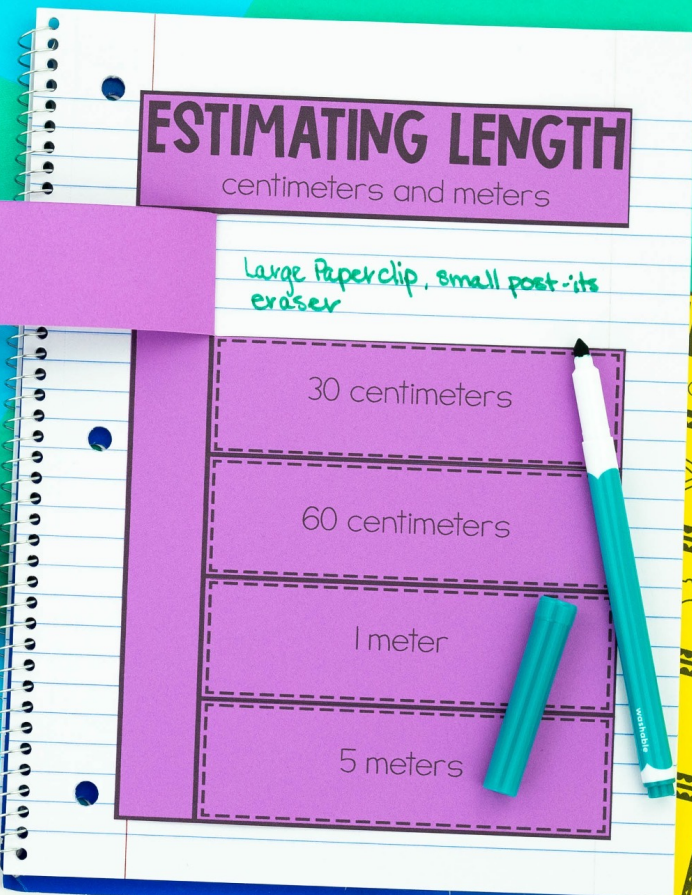
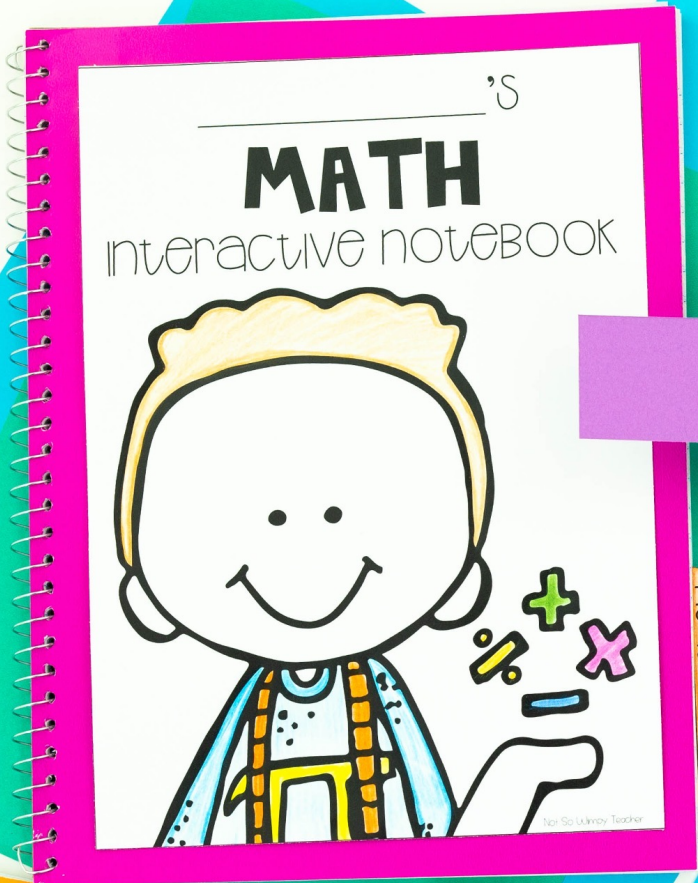
_____ true / false

_____ true / false

_____ true / false



Includes problem sets, homework, and exit tickets for each day.



Get hands-on with interactive notebooks!

Unit 7

Directions: List the objects in order from smallest to largest.

1.



blow dryer



cereal box

Unit 7

Directions: Answer each question by filling in the blank.

33. A foot is equal to _____ inch

34. A yard is equal to _____ feet

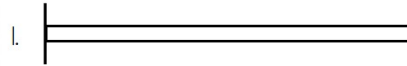
35. A meter is equal to _____ centimeters

Directions: Fill in each blank with either centimeters or inches.

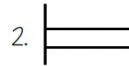
Unit 7

Assessment

Directions: Use a ruler to find the length of the rectangles to the nearest inch.



length: _____



length: _____



length: _____

Unit 7

Directions: Use the word problem to solve the problem.

2.

47. A string is 20 centimeters long. How long is the other string?



3.

48. Natalie measured the length of the string. How many centimeters long is the string?



4.

5.

49. Lilly is walking around the store. Then, she walked 22 yards to the store. How many yards did she walk in all?

$$\begin{array}{r} 39 \\ + 26 \\ \hline 22 \end{array}$$

Skill	Measuring to the Nearest Inch	Measuring to the Nearest Foot	Using a Ruler to Make Specific Lengths	Choosing the Best Tool	Choosing the Best Measurement in/in/yds	Measuring to the Nearest Centimeter	Choosing the Best Measurement cm/m
Student	1-4	5-8	9-12	13-16	17-23	24-27	28-32
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5
	___ / 4	___ / 4	___ / 4	___ / 4	___ / 7	___ / 4	___ / 5

Assessment Answer Key

on measure.



Track student progress with pre- & post-assessments and recording sheet.

WORD PROBLEM STRATEGY

STEP 1:

STEP 2:

MEASURING WITH A RULER

Place the object at the **first notch** or **zero** on the ruler. Determine the length to the nearest inch by lining up where the object ends on the ruler.

START
HALF

METER

unit of measurement in the metric system

FOOT

unit of measurement to measure length. 12 inches = 1 foot

YARD

unit of measurement to measure length. 3 feet = 1 yard

CENTIMETER

ITERATION OF A RULER

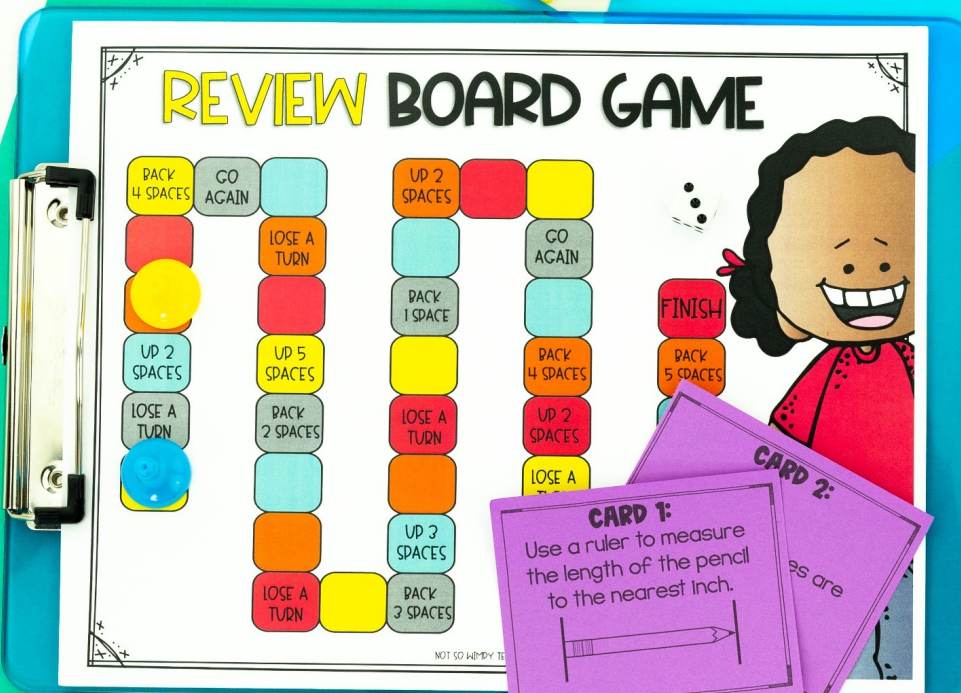
Centimeter Rulers

CENTIMETER & METER

Inch Rulers



Cement learned skills with the included vocabulary cards, anchor charts & tools.



REVIEW BOARD GAME

BACK 4 SPACES	GO AGAIN		UP 2 SPACES		GO AGAIN
	LOSE A TURN			BACK 1 SPACE	
UP 2 SPACES	UP 5 SPACES			BACK 4 SPACES	
LOSE A TURN	BACK 2 SPACES		LOSE A TURN	UP 2 SPACES	
				LOSE A	
			UP 2 SPACES		
LOSE A TURN			BACK 3 SPACES		



FINISH
BACK 5 SPACES

CARD 1:
Use a ruler to measure the length of the pencil to the nearest inch.

CARD 2:
... are

12
13
14
44 meters
11 centimeters

CARD 3:
Should a car be measured in feet or inches?

CARD 4:
Should the length of this real-life item be measured in inches or feet?

bed
ence
low
ong
the fence?

CARD 6:
Mrs. Nguyen bought 64 inches of kite string to build kites. She used 29 inches of the string for the kites. How much string does she have left?

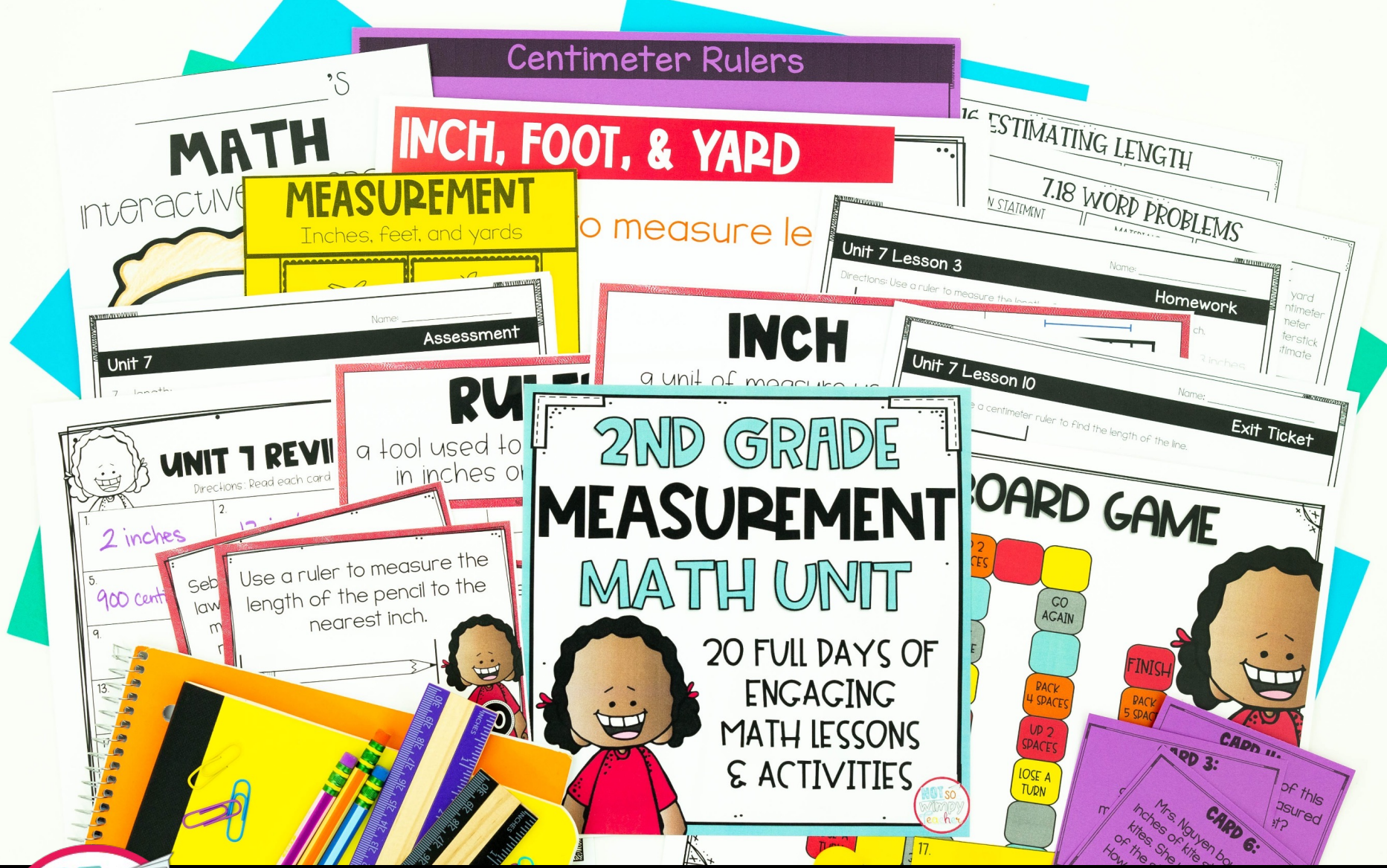
CARD 9:
Alisha walked 26 meters.
44 meters

1.
2. 12 inches
3. feet

7. 5.
6. 4. 900 cent



Keep students engaged and excited to practice with board games & task cards.



Teach with confidence; each day is fully planned for you with all the tools you need!