

Homework without the hassle

Sukindi is an Australian learning platform that supports Teachers, Parents and Students with an interactive homework app and downloadable resources.



Scan to start your
free 7-day trial

www.sukindi.com.au



Measurement Year 1

Table of Contents	
Presentation: Measurement Year 1	
Classroom Display: Measurement Detective	
Student Reference Cards: Length and Capacity	
Activity: Measurement Stations	
Game: Longer or Shorter?	
Game: Capacity Sort	
Worksheet Pack: Length Practice	
Worksheet Pack: Compare and Order	
Worksheet Pack: Capacity Practice	
Worksheet Pack: Mixed Measurement	
Quiz: Measurement Year 1 Quiz	
Assessment: Measurement Check-In	
Rubric: Measurement Year 1 Rubric	

MEASUREMENT DETECTIVES



Estimate first



Use equal-sized units



No gaps or overlaps



Compare fairly



LENGTH



CAPACITY



LENGTH & CAPACITY

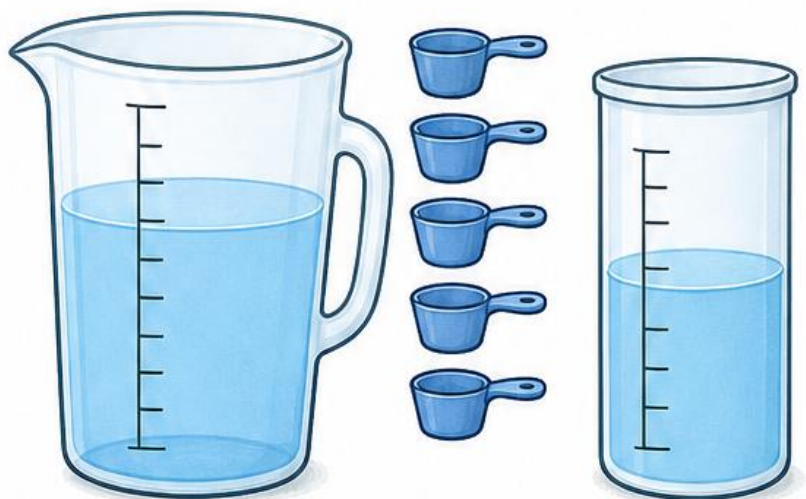
LENGTH

- 1 How long is it?
- 2 Estimate
- 3 Line up equal-sized units
- 4 No gaps or overlaps
- 5 Count and record



CAPACITY

- 1 How much can it hold?
- 2 Estimate
- 3 Use the same scoop
- 4 Fill to the same level
- 5 Count and compare



longer

shorter

holds more

holds less

MEASUREMENT STATIONS

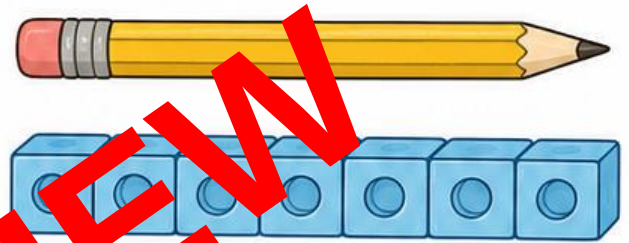
1. ESTIMATE

Make a sensible guess.



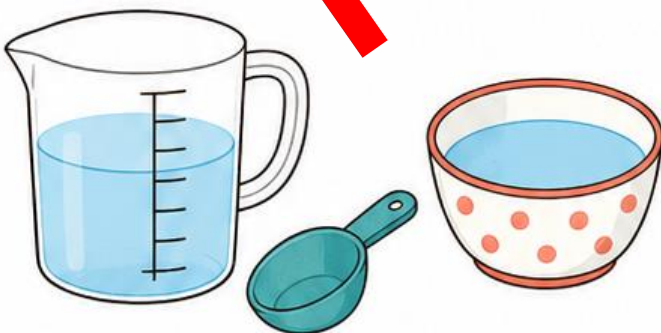
2. MEASURE LENGTH

Use equal-sized units.



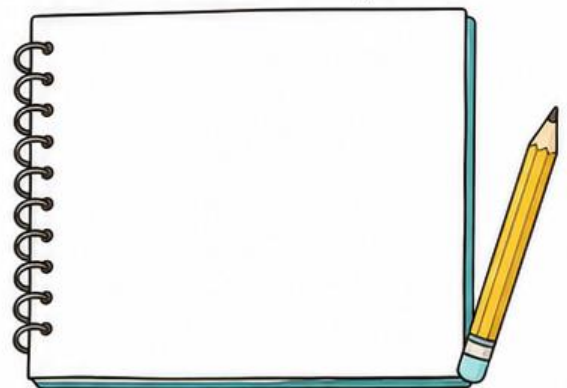
3. COMPARE CAPACITY

Use the same container.



4. RECORD

Draw or write what you found.

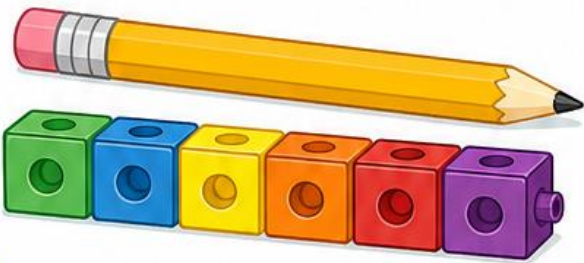


Object or container	My estimate	My measure	What I noticed

MEASUREMENT STATION CARDS

PENCIL POWER

Estimate, then measure a pencil with linking cubes.



BOOK LINE-UP

Order three books from shortest to longest.



DESK DETECTIVE

Measure one desk edge with paperclips.



CUP COMPARE

Which cup holds more? Compare fairly.



SCOOP COUNT

Count equal scoops to fill a container.



MYSTERY MEASURE

Choose an object. Estimate, measure and record.



LONGER OR SHORTER?



1. Roll and move.
2. Pick a card.
3. Name the longer or shorter object.
4. Correct? Stay there!

LONGER OR SHORTER? CARDS

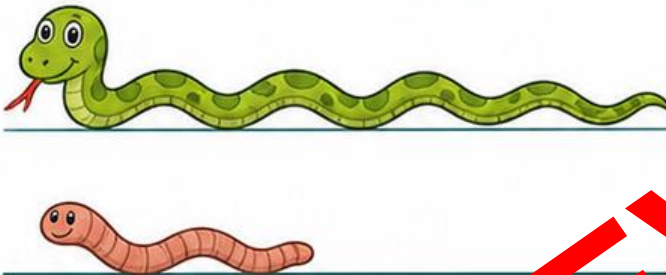
Which is longer?



Which is shorter?



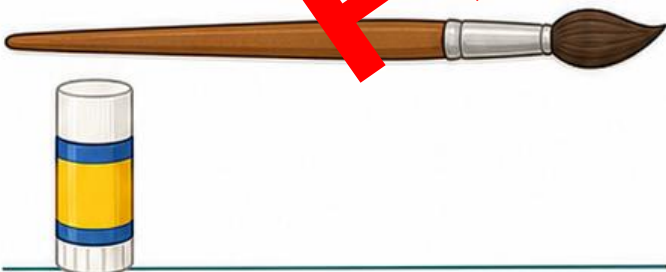
Which is longer?



Which is shorter?



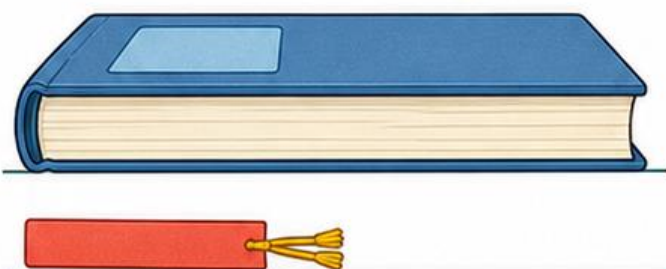
Which is longer?



Which is shorter?



Which is longer?



Which is shorter?



CAPACITY SORT

Sort each container. Which one usually holds more?

HOLDS MORE



HOLDS LESS



PREVIEW

Compare two cards at a time.

CAPACITY CARDS



teaspoon



cup



mug



bottle



jug



bucket



bathtub



swimming pool



egg cup



watering can



lunch box



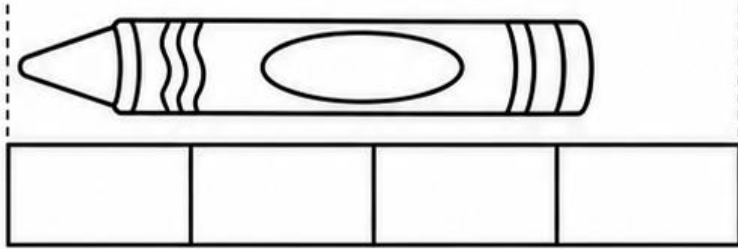
wheelbarrow

LENGTH PRACTICE – SUPPORT

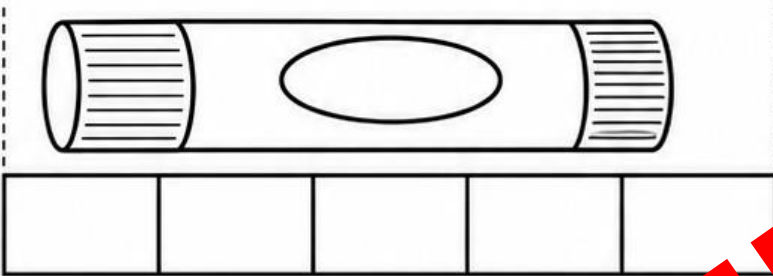
Name: _____

Date: _____

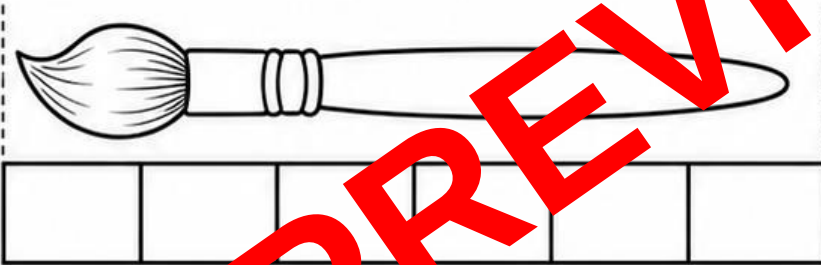
1. Count the equal cubes. Write the length.



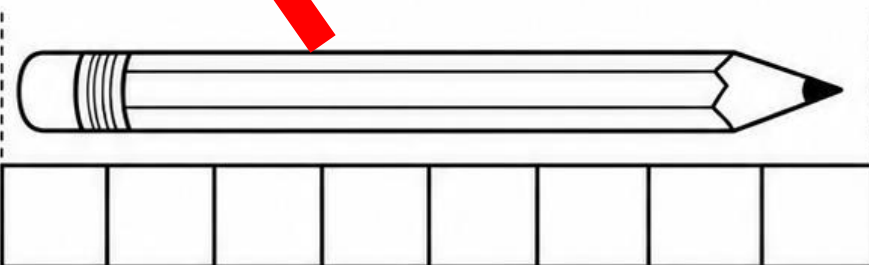
cubes



cubes



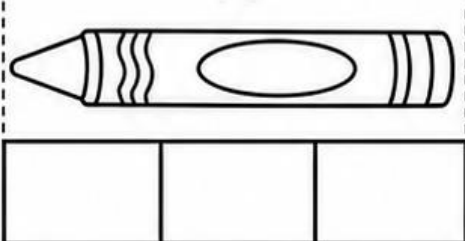
cubes



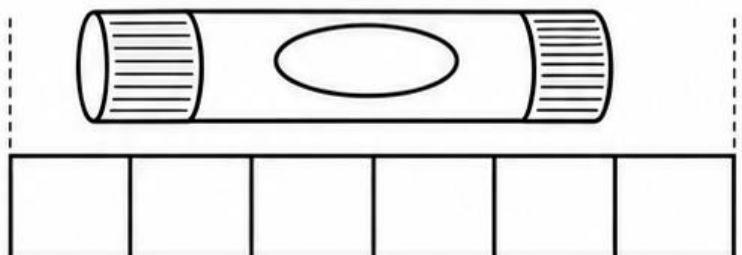
cubes

2. Circle the longer object.

A



B

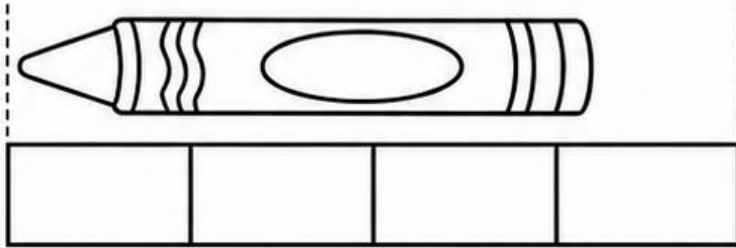


ANSWERS LENGTH PRACTICE – SUPPORT

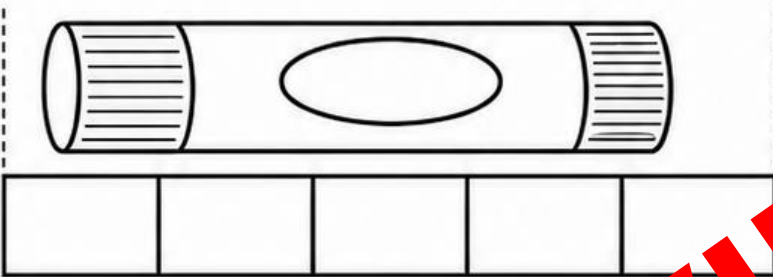
Name: _____

Date: _____

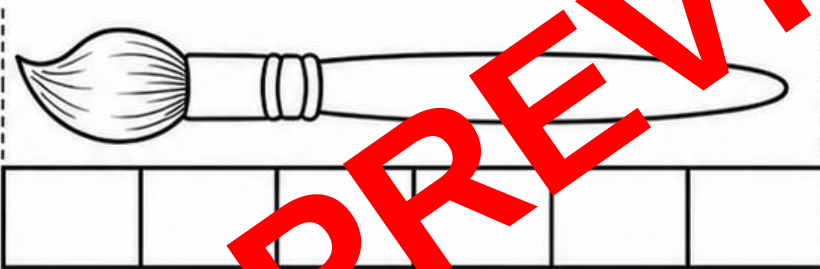
1. Count the equal cubes. Write the length.



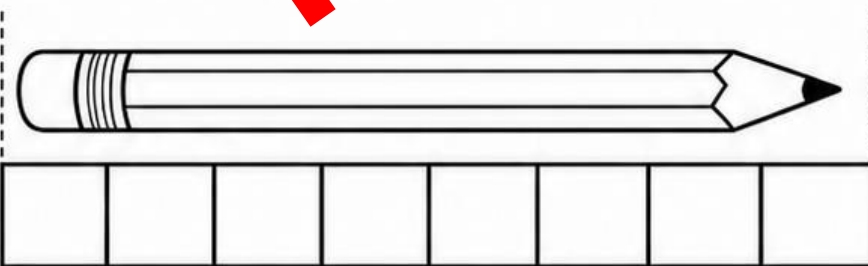
4 cubes



5 cubes



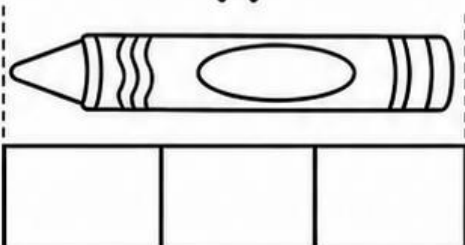
6 cubes



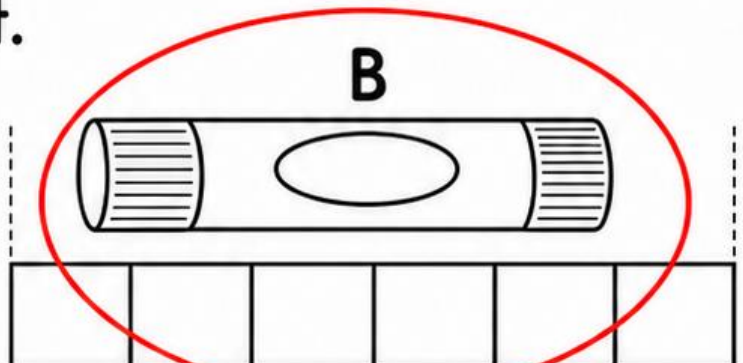
8 cubes

2. Circle the longer object.

A



B

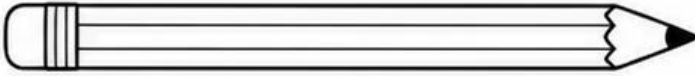


MEASURE WITH INFORMAL UNITS

Name: _____

Date: _____

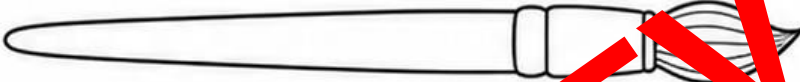
1. Count the paperclips. Write each length.



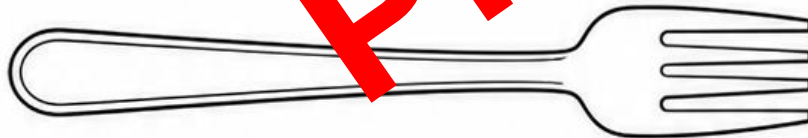
paperclips



paperclips



paperclips



paperclips

2. Think and explain.

Why must measuring units be the same size?

ANSWERS

MEASURE WITH INFORMAL UNITS

Name: _____

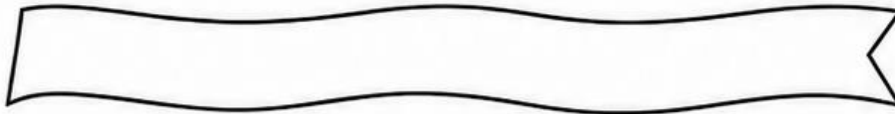
Date: _____

1. Count the paperclips. Write each length.



7

paperclips



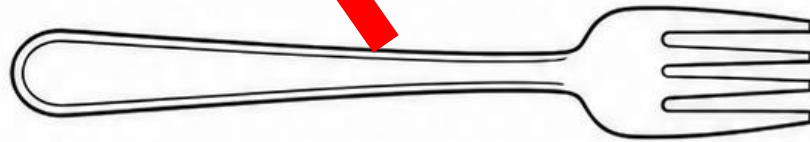
9

paperclips



6

paperclips



8

paperclips

2. Think and explain.

Why must measuring units be the same size?

— Equal-sized units make the count fair and consistent. —

COMPARE AND ORDER LENGTH

Name: _____

Date: _____

1 Count, then write shorter or longer.

1



--	--	--	--



--	--	--	--	--	--	--

The pencil is _____ than the crayon.

2



--	--	--	--	--	--

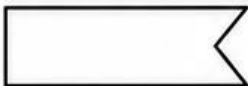


--	--	--	--	--	--	--	--

The spoon is _____ than the fork.

2 Order from shortest to longest.

Ribbon A



--	--	--

Ribbon B



--	--	--	--	--	--	--	--	--	--

Ribbon C



--	--	--	--	--	--	--	--

--

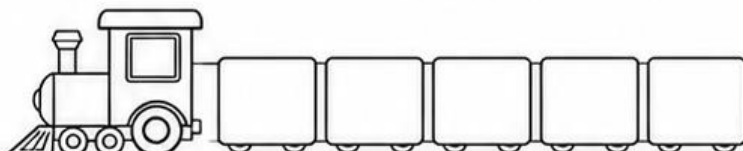


--



--

3 Draw one object longer than 5 cubes.



--	--	--	--	--

--

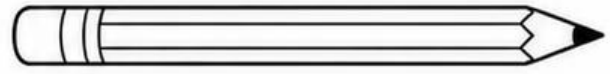
COMPARE AND ORDER LENGTH

Name: _____

Date: _____

1 Count, then write shorter or longer.

1



The pencil is longer than the crayon.

2

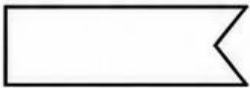


The spoon is shorter than the fork.

2

Order from shortest to longest.

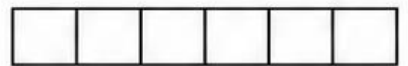
Ribbon A



Ribbon B



Ribbon C



A



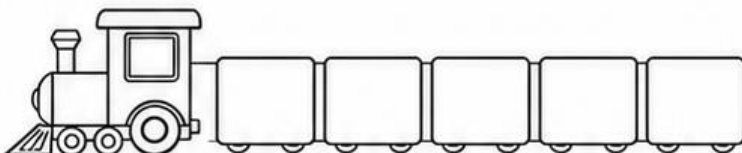
C



B

3

Draw one object longer than 5 cubes.



Sample answer



Name: _____

Date: _____

CAPACITY PRACTICE

1. Count the equal scoops. Write how many.



scoops



scoops



scoops



scoops

2. Circle the container that usually holds more.



or



or



3. Draw a container that holds less than a bucket.

Name: _____

ANSWERS

Date: _____

CAPACITY PRACTICE

1. Count the equal scoops. Write how many.



3

scoops



4

scoops



6

scoops



9

scoops

2. Circle the container that usually holds more.



or



or



3. Draw a container that holds less than a bucket.



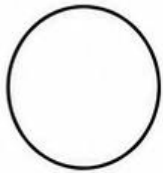
Sample answer

MEASUREMENT MIX-UP

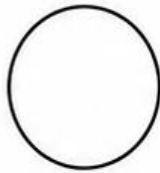
Name: _____

Date: _____

1. True or false? Length tells how long something is.

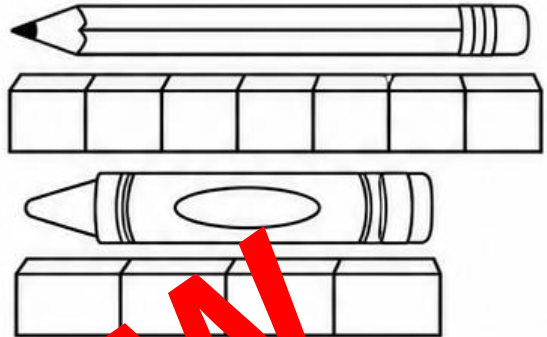


True



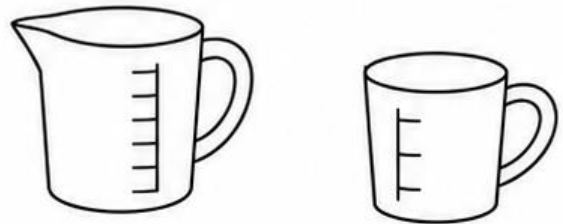
False

2. A pencil is 6 cubes long.
A crayon is 4 cubes long.
Which is longer?

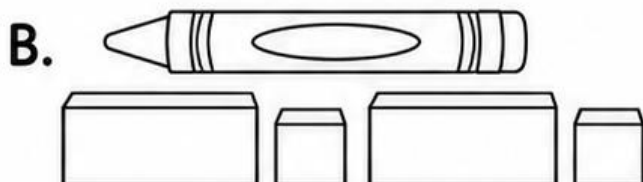
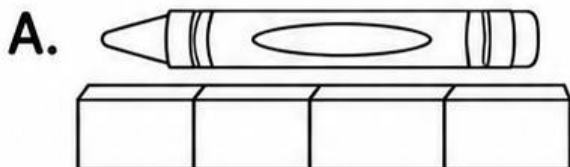


3. Why do we use equal-sized units?

4. A jug holds 8 scoops.
A cup holds 3 scoops.
Which holds less?



5. Circle the fair measure.



6. Draw a container that holds more than a mug.

MEASUREMENT MIX-UP

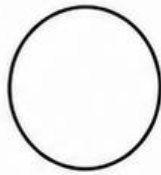
Name: _____

Date: _____

1. True or false? Length tells how long something is.

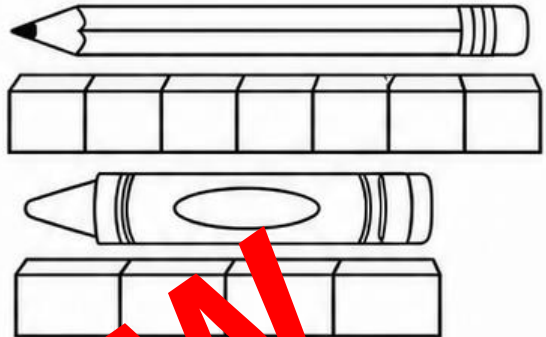


True



False

2. A pencil is 6 cubes long.
A crayon is 4 cubes long.
Which is longer?

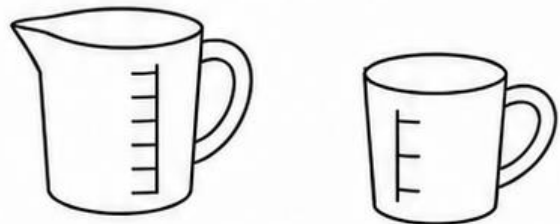


pencil

3. Why do we use equal-sized units?

Equal-sized units make the result fair.

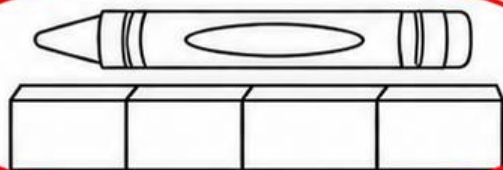
4. A jug holds 8 scoops.
A cup holds 3 scoops.
Which holds less?



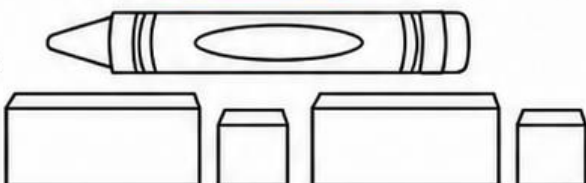
cup

5. Circle the fair measure.

A.



B.



6. Draw a container that holds more than a mug.

Sample answer

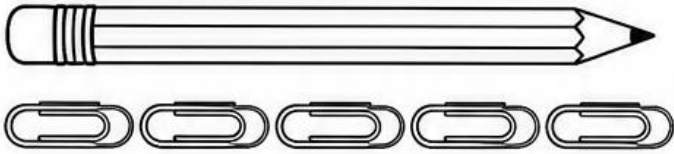


MEASUREMENT CHECK-IN

Name: _____

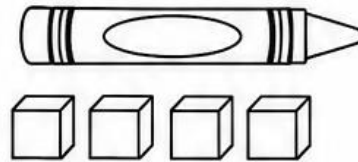
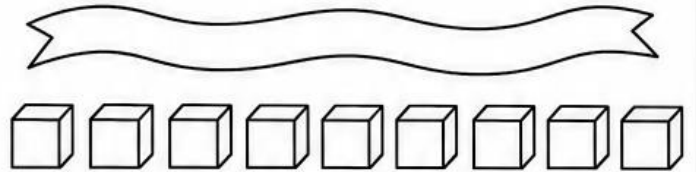
Date: _____

1. Count and write the length.

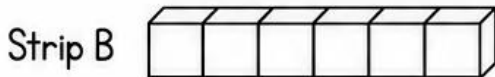
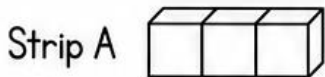


paperclips

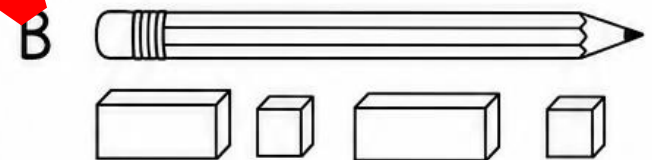
2. Circle the longer object.



3. Order shortest to longest.



4. Circle the correct measure.



5. True or false?

Capacity tells how much
a container can hold.

True ☐ False ☐

6. A jug holds 7 scoops.

A cup holds 4 scoops.

Which holds more?



7. Why should measuring
units have no gaps?

8. Draw a container that
holds less than a bucket.



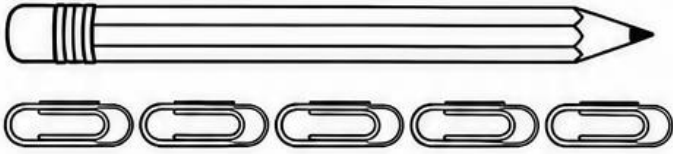
MEASUREMENT CHECK-IN

ANSWERS

Name: _____

Date: _____

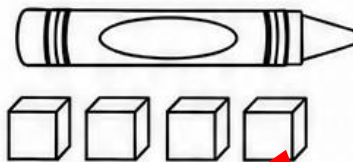
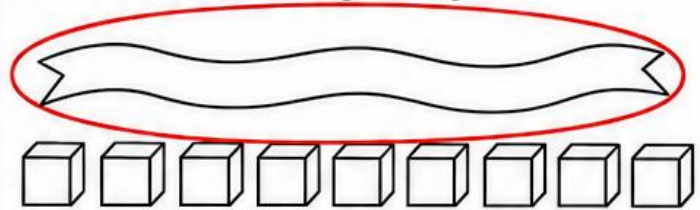
1. Count and write the length.



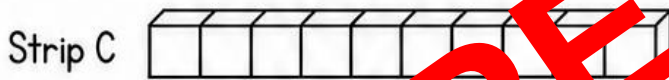
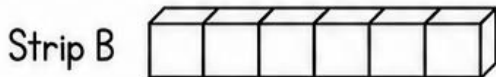
5

paperclips

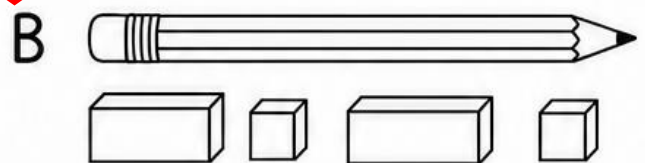
2. Circle the longer object.



3. Order shortest to longest.



4. Circle the same measure.



5. True or false?

Capacity tells how much a container can hold.

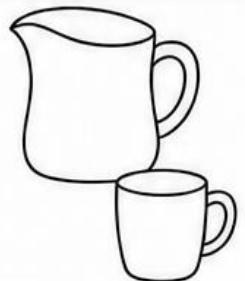
True ☒ False ☐

6. A jug holds 7 scoops.

A cup holds 4 scoops.

Which holds more?

jug



7. Why should measuring units have no gaps?

Gaps make the count too small.

8. Draw a container that holds less than a bucket.



Sample answer

MEASUREMENT YEAR 1 RUBRIC

Student: _____ Date: _____

Criteria	BEGINNING needs full support	DEVELOPING with guidance	ACHIEVING independently	CONFIDENT consistently	EXCEEDING explains and applies
Estimates length or capacity	☐	☐	☐	☐	☐
Uses equal-sized informal units	☐	☐	☐	☐	☐
Measures with no gaps or overlaps	☐	☐	☐	☐	☐
Compares and orders length	☐	☐	☐	☐	☐
Compares capacity fairly	☐	☐	☐	☐	☐
Records and explains findings	☐	☐	☐	☐	☐
Teacher comment					

Measurement

Year 1



What Do We Measure?

We measure length to find how long something is.

We measure capacity to find how much a container can hold.



Compare Length Directly

Line up two objects at the same endpoint.

Use longer and shorter to describe what you see.



Measure With Informal Units

Use paperclips, string or blocks.

Choose one kind of unit and count carefully.



Equal-Sized Units

A fair measure uses units that are all the same size.

Different-sized units do not give a fair count.



No Gaps Or Overlaps

Start at the end of the object.

Place each unit touching the next with no spaces or overlaps.



Estimate, Then Measure

Make a sensible guess first.

Then measure and compare the result with your estimate.



Record A Length

Write the number and name the unit.

Example: The pencil is 7 cubes long.



Compare And Order Length

Measure each object with the same unit.
Order the objects from shortest to longest.



What Is Capacity?

Capacity tells how much a container can hold.

A bucket usually holds more than a cup.



Compare Capacity Directly

Pour from one container into another.

Notice which fills first or which has space left.



Use Informal Units For Capacity

Fill with equal scoops or cups.

Count the units needed for each container.



Compare Capacity Fairly

Use the same scoop and fill to the same level.
Then compare the counts.



Measurement Stations

Estimate, measure length, compare capacity and record.

Work carefully and explain what you notice.

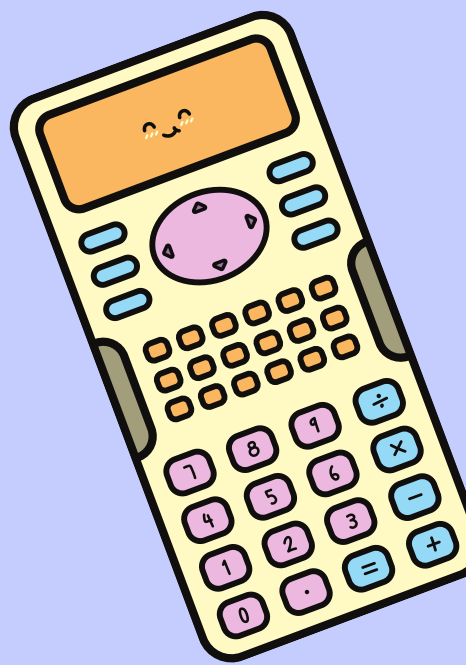
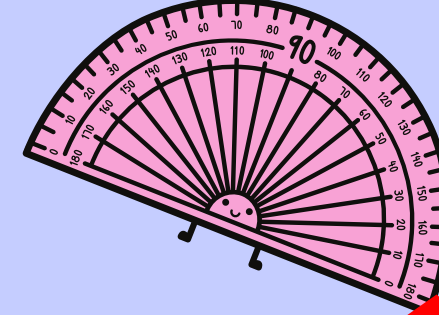
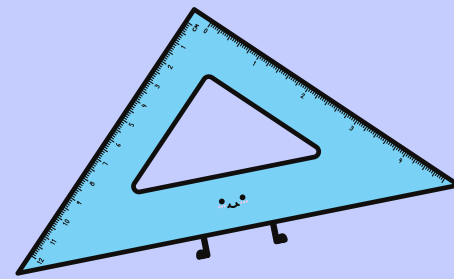
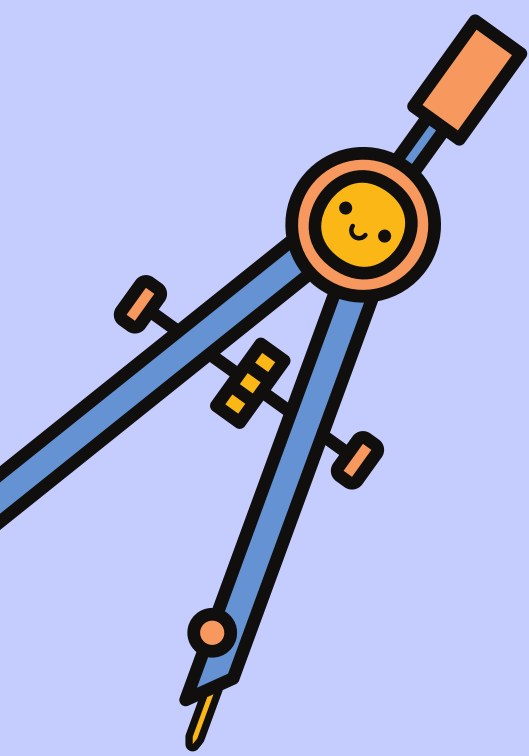


Choose A Fair Strategy

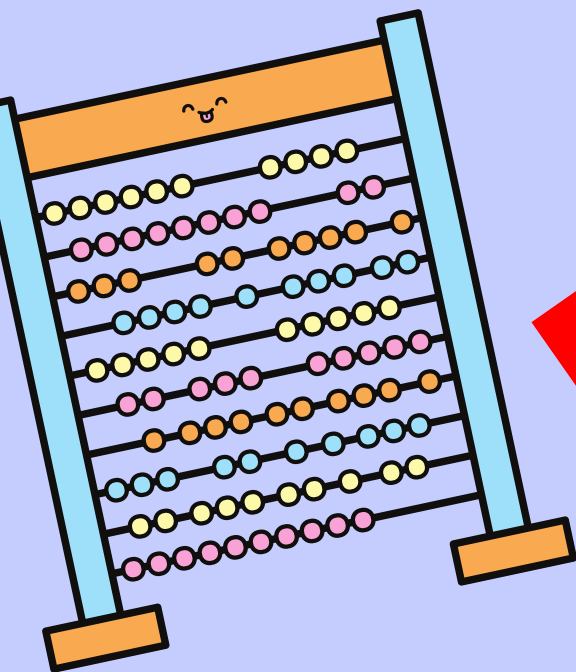
Same endpoints. Equal units. No gaps or overlaps.

Same size. Same fill level. Record the unit.

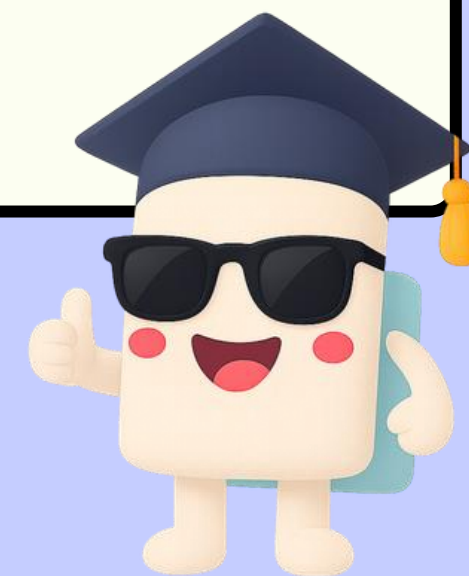
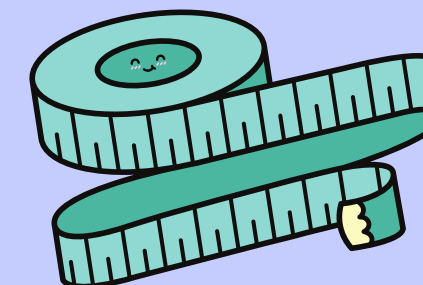
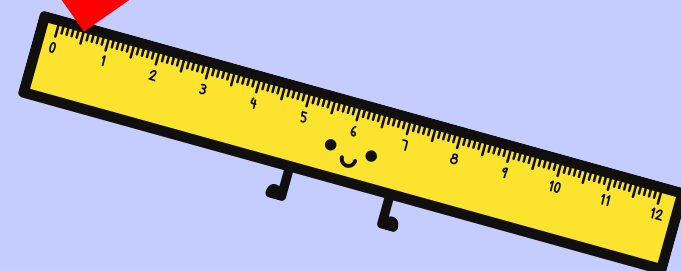




Well Done!



PREVIEW



Measurement Year 1 Quiz



Question 1

True or false?

Length tells how long an object is.



Answer 1

Length describes how long or short an object is.



Question 2

Which makes a fair length measurement?

- A. Equal cubes
- B. Mixed-size blocks
- C. Cubes with gaps
- D. Overlapping cubes



Answer 2

A. Equal cubes.

Fair measuring uses equal-sized units that touch.



Question 3

Short answer:

Why should informal units have no gaps?



Answer 3

Gaps leave part of an object unmeasured.

Units should touch from end to end.



Question 4

A pencil measures 7 paperclips.

A crayon measures 5 paperclips.

Which is longer?

A. open B. crayon C. same length



Answer 4

A. 1 and

Seven paperclip is longer than five paperclips.



Question 5

True or false?

Capacity tells how much a container can hold.



Answer 5

Capacity describes how much a container can hold.



Question 6

Which is a fair capacity comparison?

- A. Same cup and fill level
- B. Different cups
- C. Different fill levels
- D. Guess only



Answer 6

A. Same scale and fill level.

Keep the measuring conditions the same.



Question 7

Pencil = 4 cubes

Book = 8 cubes

Desk edge = 12 cubes

Order them from shortest to longest.



Answer 7

pencil, box and sk edge.

4 cubes then 8 cubes, then 12 cubes.



Question 8

What should you do before measuring?

- A. Estimate
- B. Change units
- C. Leave gaps
- D. Overlap units



Answer 8

A. Estimate.

Make a sensible guess, then measure to check.



Question 9

True or false?

Different-sized blocks give a fair length measure.



Answer q

Use equal-sized blocks for a fair measure.



Question 10

Container A holds 6 equal scoops.

Container B holds 8 equal scoops.

Which container holds more?

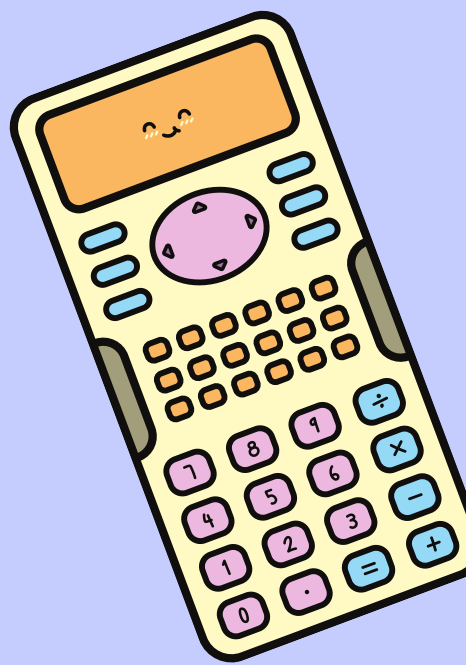
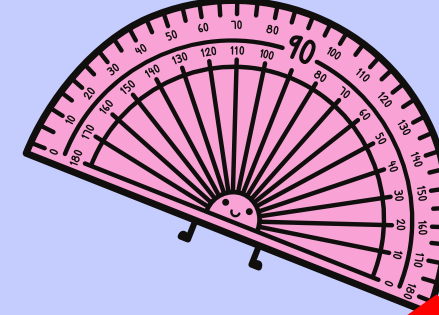
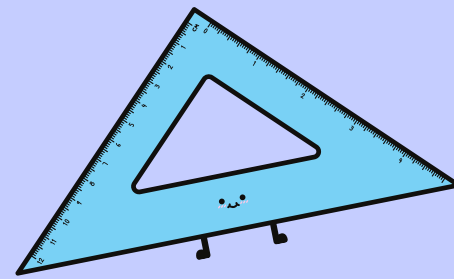
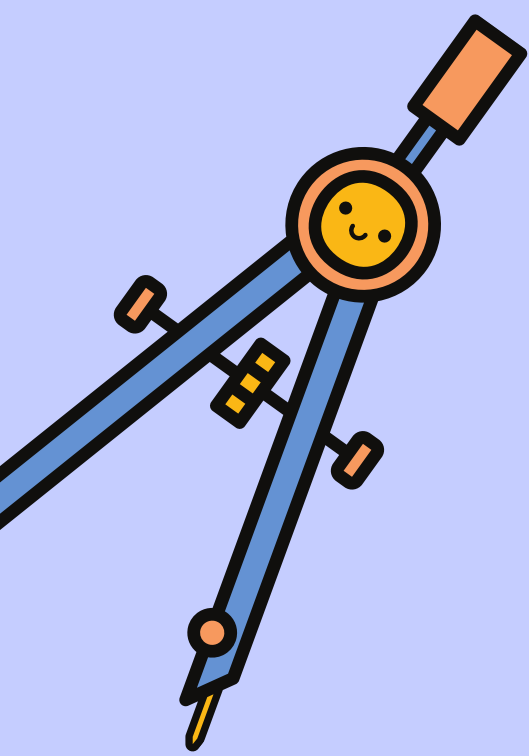


Answer 10

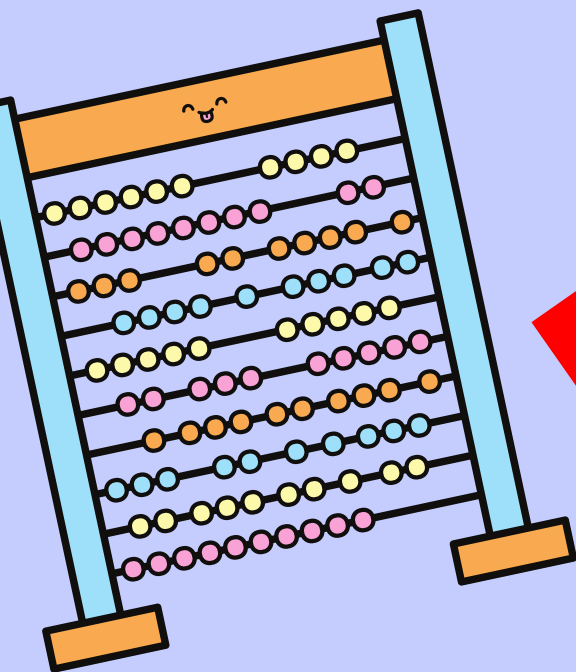
Container holds more.

Nine scoops is more than six scoops.





Well Done!



PREVIEW

