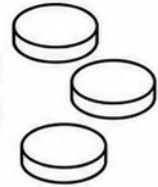


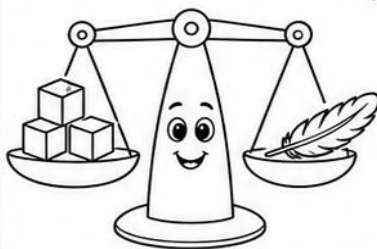
YEAR 2

MEASURING MASS

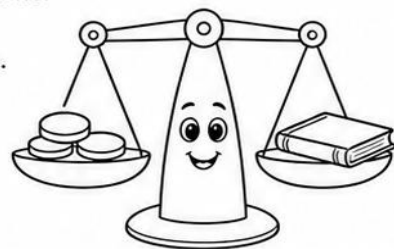
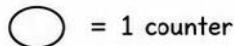
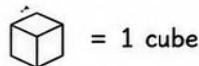
with Informal Units



Name: _____ Date: _____

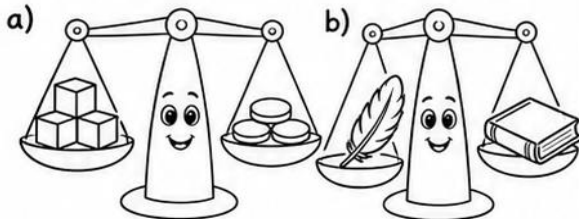


We can measure mass using informal units.
We can use cubes or counters.
The balance scale helps us compare.



1. Circle the answer

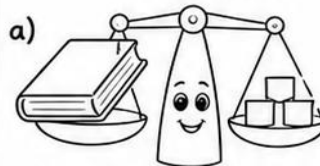
Look at the scales. Circle the heavier item.



cubes counters same feather book same

2. Fill in the blank

Look at the scales. Write how many cubes or counters make it balance.



It takes ____ cubes
to balance the book.



It takes ____ counters
to balance the feather.

3. True / False

Read each sentence. Tick True or False.

a) 3 cubes are heavier than 2 cubes.	True	False
b) A book is lighter than 2 counters.	True	False
c) A feather is heavier than 4 cubes.	True	False
d) 2 counters have the same mass as 2 cubes.	True	False

4. Draw and label

Draw a balance scale to show the statement.
Use cubes or counters.

The backpack is heavier than 3 counters.



YEAR 2

MEASURING MASS

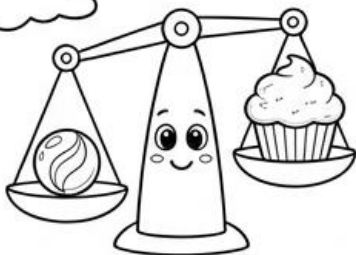
with Fun Informal Units: Marbles & Pennies

Name:  _____



Date: _____

We can measure mass using cool things like marbles and pennies!

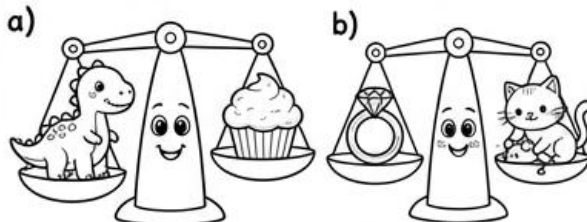


 = 1 Marble

 = 1 Penny

1. Circle the Answer (Light / Heavy)

Look at the super scales and circle the heavier item.



Dinosaur

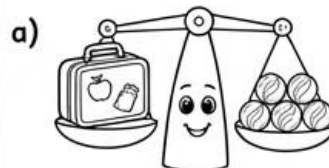
Cupcake

Same

Ring

2. Fill in the Blank (Count the Units)

Write how many marbles or pennies make it balance.



It takes _____ marbles to balance the lunchbox.



It takes _____ pennies to balance the teddy bear.

3. Draw a Line to the Mass

Draw a line to match the object with its measured mass.



•

• Mass of 10 Marbles



•

• Mass of 6 Marbles



•

• Mass of 4 Pennies



•

• Mass of 12 Pennies

4. True / False Fun (Yes / No)

Read the sentence and check the happy (Yes) or sad (No) face.

a) A full water bottle is lighter than 1 marble.



b) A feather has the same mass as 50 pennies.



c) A heavier item pushes the scale arm down.



d) 3 marbles have more mass than 3 pennies (if pennies are lighter, otherwise adjust).



Worksheet 3: MEASURING MASS

Name: _____	Date: _____
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1. Balance the Scale (Circle the Right Word)

Look at the balance scale descriptions below and circle the correct word to make the sentence true.

- a) A big toy dump truck is on the low side of the scale, and a plastic rubber ducky is high up in the air.
- The rubber ducky is (**heavier** / lighter / the same mass as) the dump truck.
- b) A box of crayons and a juice box are perfectly level, completely straight across on the scale.
- The box of crayons has (**more mass** / less mass / the same mass) as the juice box.
- c) A heavy basketball drops all the way down to the table. A fluffy tennis ball bounces high up on the opposite side.
- The basketball is (**heavier** / lighter / the same mass as) the tennis ball.

2. Fun Counting with Paperclips!

Fill in the blanks by counting the informal units to balance each item.

- a) A shiny metal key balances exactly on the scale with 5 small paperclips.
- The mass of the key is equal to _____ paperclips.
- b) A thick school notebook balances exactly on the scale with 18 small paperclips.
- It takes _____ paperclips to balance the notebook.

3. Quick-Fire Yes or No Challenge

Read each sentence below. Check the **Smile Face** [😊] for Yes (True) or the **Sad Face** [😞] for No (False).

- a) A giant watermelon is lighter than 2 tiny marbles.
[😊] Yes / [😞] No
- b) If you add more counters to a side, that side of the scale goes down.
[😊] Yes / [😞] No
- c) Balanced scales are tilted, with one side touching the ground.
[😊] Yes / [😞] No
- d) A sneaker needs more paperclips to balance it than a single sock.
[😊] Yes / [😞] No

4. Creative Drawing Space

Draw a balance scale in the box below to show this scenario. Use small triangles to represent **erasers**.

"A toy dinosaur balances perfectly with exactly 4 erasers."