⚖ Comparing Masses

Name: _____ Date: _____

Part 1 · Meet the equipment

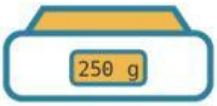
Read about each piece of equipment. Tick the box when you have read it.



Pan balance

Compares two objects. Put one object in each pan. The heavier side goes down. Add standard masses to find out how much an object weighs.

I read it ☐



Digital kitchen scale

Gives an exact number on a screen. Place food or small objects on top. Measures in grams (g). Press "tare" to reset to zero.

I read it ☐



Spring scale

Hang an object from the hook. The spring stretches and a pointer shows the mass on the scale. Good for lifting and hanging objects.

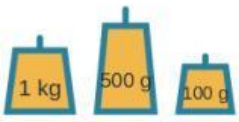
I read it ☐



Bathroom scale

Measures large masses such as people. Stand on it and read the number in kilograms (kg).

I read it ☐



Standard masses (weights)

Metal blocks with a known mass. Used on one pan of a balance to measure the mass of an object on the other pan.

I read it ☐

LIVEWORKSHEETS

Part 2 · Can you name the equipment?

Circle the correct name for each picture.



- ◯ Standard masses (weights)
- ◯ Digital kitchen scale
- ◯ Bathroom scale



- ◯ Standard masses (weights)
- ◯ Pan balance
- ◯ Spring scale



- ◯ Standard masses (weights)
- ◯ Digital kitchen scale
- ◯ Bathroom scale



- ◯ Standard masses (weights)
- ◯ Pan balance
- ◯ Spring scale



- ◯ Digital kitchen scale
- ◯ Bathroom scale
- ◯ Standard masses (weights)

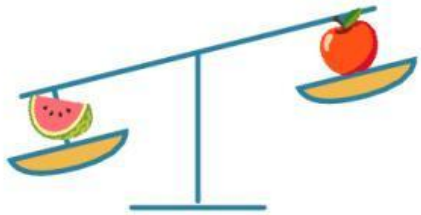
LIVEWORKSHEETS

Part 3 · Which is heavier?

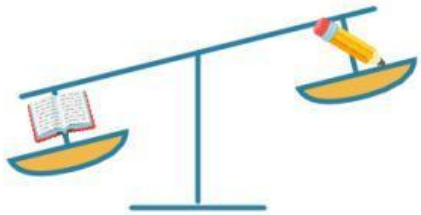
Look at the balance. The heavier side goes **down**. Circle the heavier object.



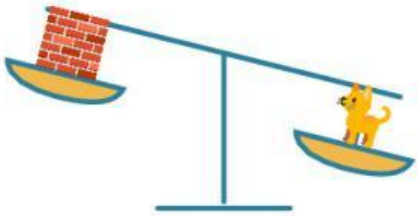
🍎 apple | 🪶 feather



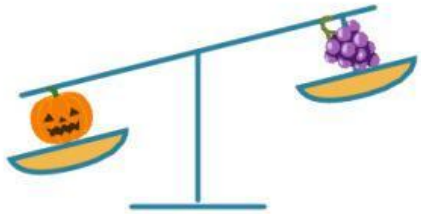
🍉 watermelon | 🍎 apple



📖 textbook | ✏️ pencil



🧱 brick | 🐈 cat



🎃 pumpkin | 🍇 grape

LIVEWORKSHEETS

Part 4A · Lightest to heaviest

Write 1 for the lightest, then 2, 3 and 4 for the heaviest.

Set 1


pencil ☐


textbook ☐


feather ☐


apple ☐

Set 2


pumpkin ☐


grape ☐


toy car ☐


brick ☐

Part 4B · Grams or kilograms?

Circle the best unit.


A apple is measured in... ◯ grams (g) ◯ kilograms (kg)


A toy car is measured in... ◯ grams (g) ◯ kilograms (kg)


A cat is measured in... ◯ grams (g) ◯ kilograms (kg)


A watermelon is measured in... ◯ grams (g) ◯ kilograms (kg)


A pencil is measured in... ◯ grams (g) ◯ kilograms (kg)

My score: _____ out of 17 ⭐

LIVEWORKSHEETS

Teacher answer key

Part 2	Digital kitchen scale, Pan balance, Standard masses (weights), Spring scale, Bathroom scale
Part 3	apple, watermelon, textbook, cat, pumpkin
Part 4A	Set 1: feather → pencil → apple → textbook Set 2: grape → toy car → brick → pumpkin
Part 4B	apple = g, toy car = g, cat = kg, watermelon = kg, pencil = g

LIVEWORKSHEETS