

Interactive Worksheet 2.1: Week 20/ Self-Learning Program

Exercise 1:

1- Is the needle of the balance in equilibrium position?

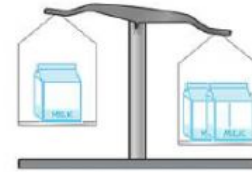
yes

No

2- Which is heavier, one box of milk or two boxes?

One box of milk

Two boxes of milk



3- What should you do to make the needle in equilibrium position? (Two answers)

Answer 1: Add one box to left pan

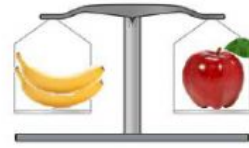
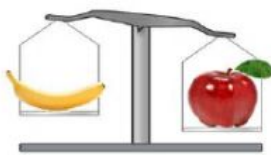
Answer 2: Remove one box from right pan

Answer 3: Add two boxes to left pan

Answer 4: Remove two boxes from right pan

Exercise 2:

Complete the following statements from the box based on the adjacent figures:



less than

lighter than

heavier than

Same mass as

greater than

1- The mass of one apple is the mass of one banana.

2- The mass of one apple is the mass of one orange.

3- One banana is one orange.

4- Two bananas have one apple

5- One orange istwo bananas.

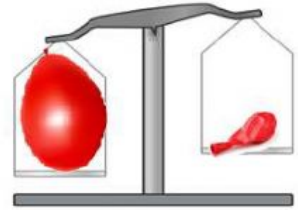
Exercise 3:

We want to show if air has mass. We compared the mass of an empty balloon with a balloon filled with air.

1- Which is heavier?

Empty Ballon

Balloon filled with air



2- What do you conclude?

Air has no mass

Air has mass