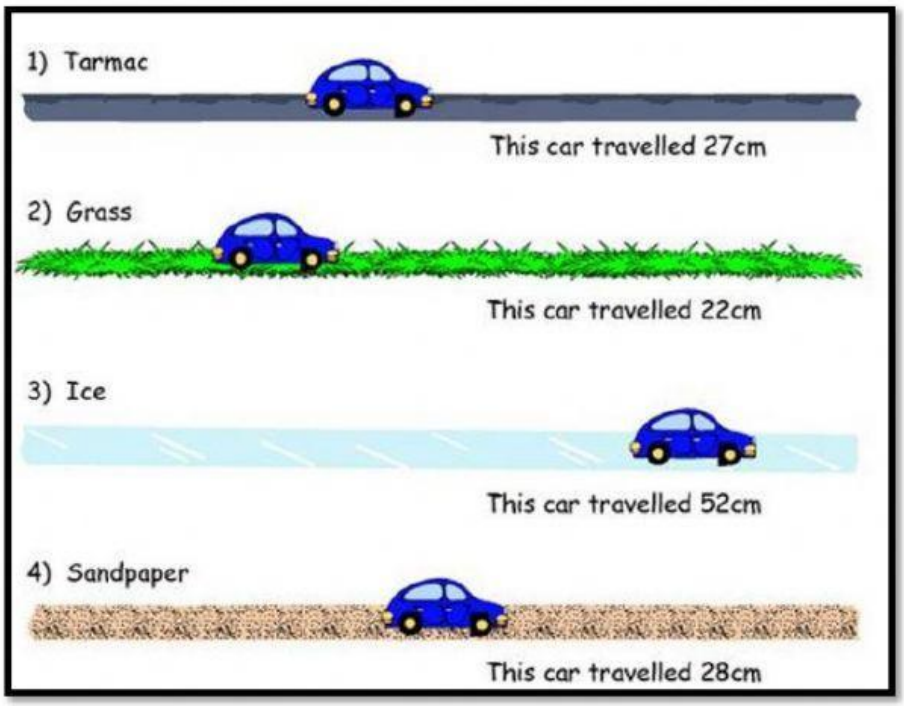
SCIENCE WORKSHEET - GRADE 4

Name:..... Class: 4CI.... Date: 01/2022

REVISION: FRICTION – WATER RESISTANCE – AIR RESISTANCE

<u>EXERCISE 1.</u> Look at the cars and road surfaces below:



Put the different surfaces in order, starting with the surface which has the most friction (write tarmac/grass/ice/sandpaper):

1. _____

2. _____

3. _____

4. _____

LIVEWORKSHEETS

EXERCISE 2. Fill in the blanks with the words given in the word bank.

air resistance	friction	water resistance	slows down	opposite

1. Water resistance and air resistance are types of _____.

2. Friction is the force that _____ the moving object.

3. _____ is a force that slows things down that are moving through air.

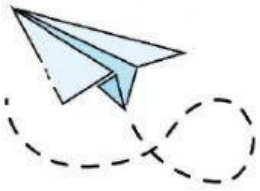
4. _____ is a force that slows things down that are moving through water.

5. Friction always works in _____ direction to the direction the object is moving.

EXERCISE 3. What type of force is present in the following pictures? Write "A" for air resistance, "W" for water resistance and "F" for other types of friction.



The force between the two hands.



The force between the plane and the air.



The force between the boy and the water.



The force between the parachute and the air.



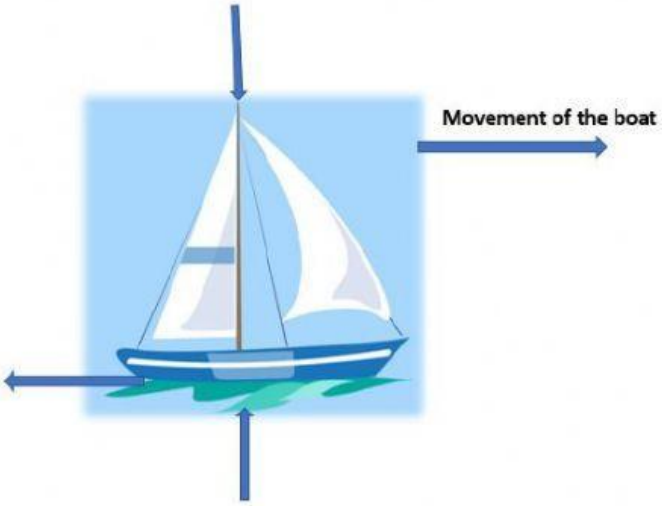
The force between the table and the ground.

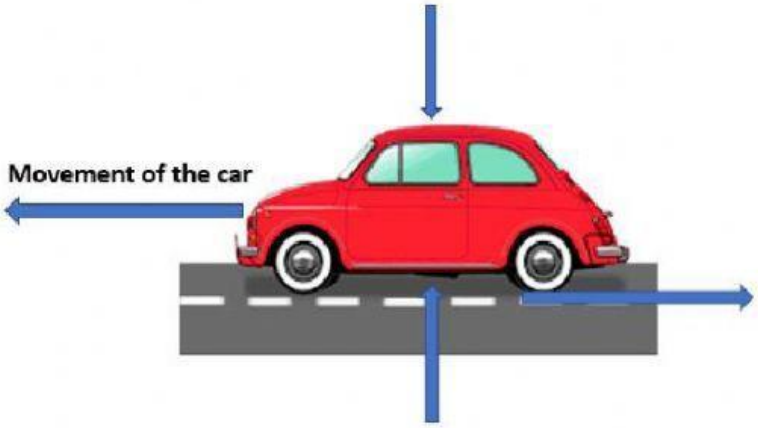


The force between the boy and the slide.

LIVEWORKSHEETS

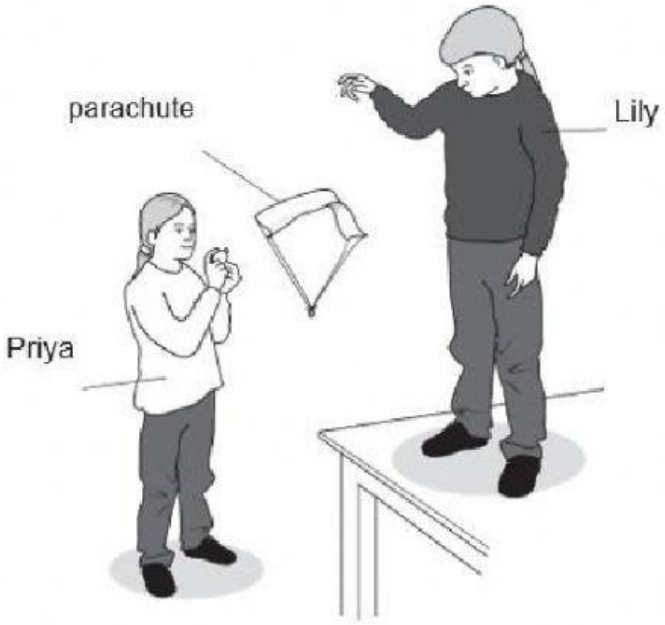
EXERCISE 4. For each situation, LABEL the forces.





LIVEWORKSHEETS

EXERCISE 5. Priya and Lily investigate air resistance.



- Priya uses a stopwatch
- Lily drops parachutes.

Here is their prediction: "We think bigger parachutes will fall more slowly."

Their prediction is correct. Complete the sentences. Choose words from the list.

less **more** **the same**

The bigger parachutes have _____ air resistance.

This makes the bigger parachutes fall with _____ speed.

LIVEWORKSHEETS