WELLSPRING ACADEMY

UNIVERSITY of CAMBRIDGE International Examinations

Cambridge International School

NOT TO BE SERVED BUT TO SERVE

ENTRY EXAM
GRADE 4
SCIENCE PAPER

NAME: _____

DATE: _____**2019**

CLASS: GRADE 3_____

READ THESE INSTRUCTIONS FIRST

- Answer **all** questions in the spaces provided on the question paper.
- The number of marks is given in the [ ] at the end of each question

LIVEWORKSHEETS

1.

Asif is investigating magnetic materials.

He holds a magnet next to each object to see if it is made of magnetic material.

Two of the objects are magnetic.

(a) Circle the **two** magnetic objects.

(a) Circle the **two** magnetic objects.

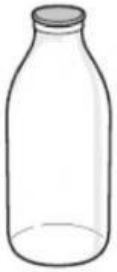
steel fork

iron nail

gold necklace

brick

wooden pencil



glass bottle

[1]

(b) What happens to the magnetic object if the material is magnetic?

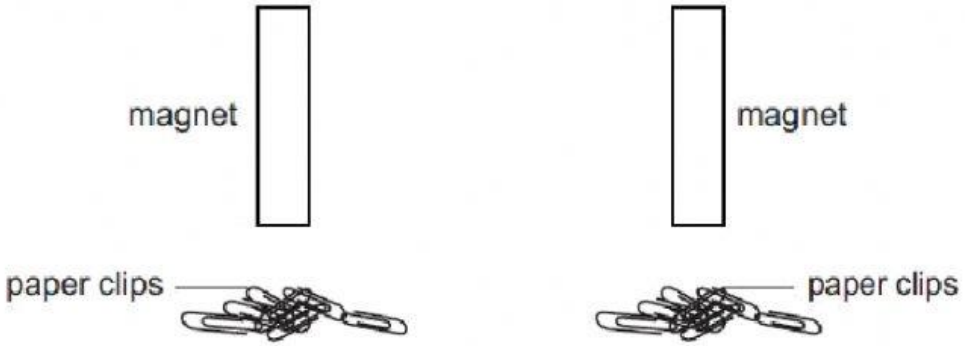
..... [1]

LIVEWORKSHEETS

(c) Asif has two different magnets.

He wants to know which magnet is stronger.

He uses each magnet to pick up some paper clips.



Describe how Asif will know which magnet is the strongest.

.....

..... [1]

2.

Ahmed is playing with his toy truck.

(a) Name the force acting on the truck.

..... [1]

LIVEWORKSHEETS

(b) Name the force acting on the truck.

..... [1]

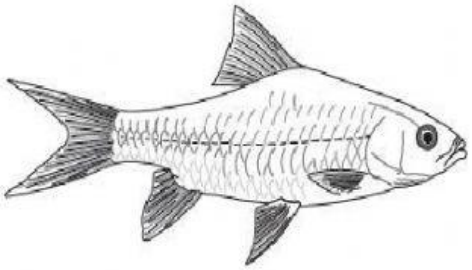
(c) Ahmed wants to measure the force needed to move his truck.

What equipment could he use to measure this force?

..... [1]

3.

A fish is a living animal.



Write down two life processes of a fish.

1 .....

2 ..... [2]

LIVEWORKSHEETS

4.

Safia plays on a slide.

(a) Safia sits at the top of the slide.

She is not moving.

(b) Safia moves down the slide slowly.

Write down two things she can do to move down **faster**.

1 .....

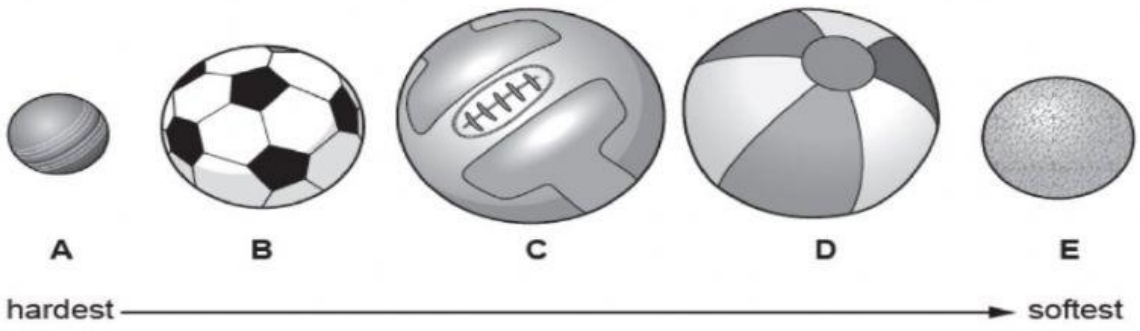
2 ..... [2]

5.

Chen and Aiko investigate forces on balls.

They have 5 different balls.

Chen puts the balls in order from hardest to softest.



LIVEWORKSHEETS

(a) Which ball needs the **least** force to make it change shape?

Circle the correct answer.

A **B** **C** **D** **E**

[1]

(b) Aiko uses a **small** force to change the shape of the balls.

Two of the balls do **not** change shape.

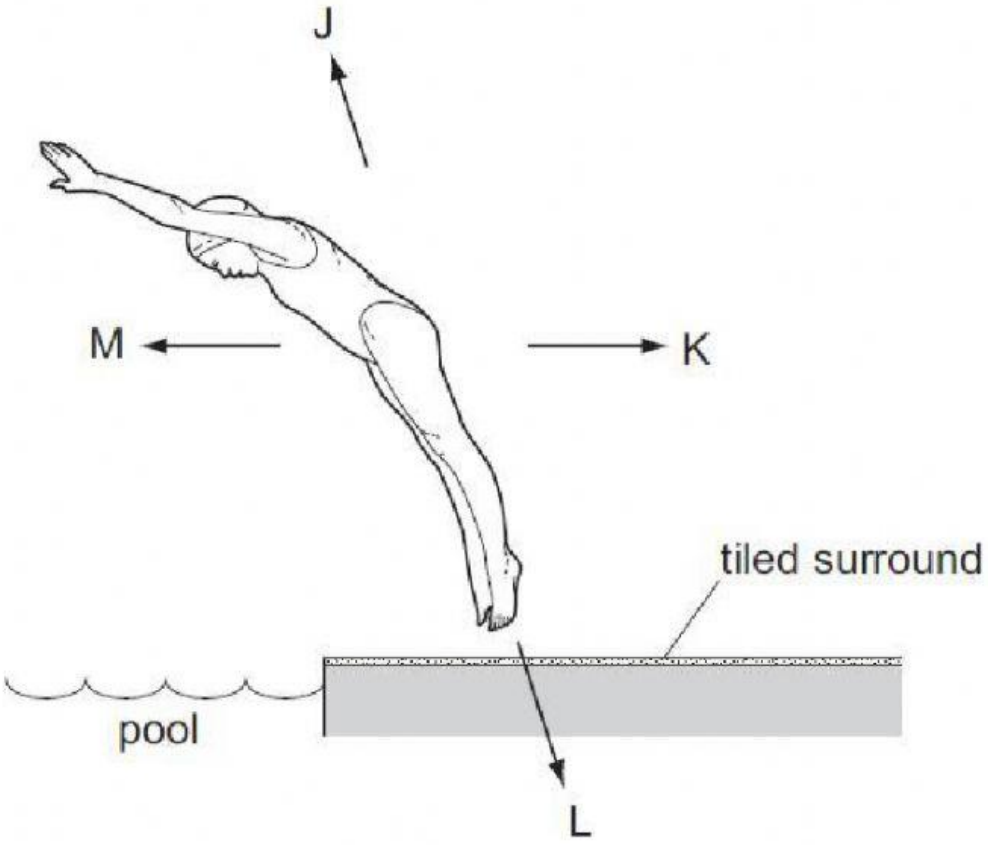
Which two balls do **not** change shape?

Circle the correct answer.

A and B **B and C** **B and D** **C and D** **D and E**

[1]

6



LIVEWORKSHEETS

(a) Why is it safer to have rough tiles around the edge of the swimming pool?

..... [1]

(b) Ashleigh dives into the water.

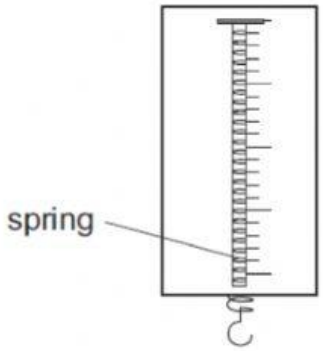
Which arrow shows the direction of the pushing force from her legs as she jumps in?

..... [1]

(c) What is the name of the force that pulls her down into the water?

..... [1]

Naina is measuring forces.



(a) What is this piece of equipment called?

..... [1]

(b) What does it measure? Underline the correct answer.

newtons grams centimetres millilitres

[1]

(c) What happens to the spring when there is a force on it?

..... [1]

LIVEWORKSHEETS

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