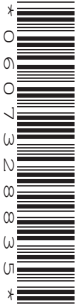




Cambridge Primary Progression Test

Science paper 1

Stage 3



35 minutes

Name

Additional materials: Ruler

READ THESE INSTRUCTIONS FIRST

Answer **all** questions in the spaces provided on the question paper.

You should show all your working on the question paper.

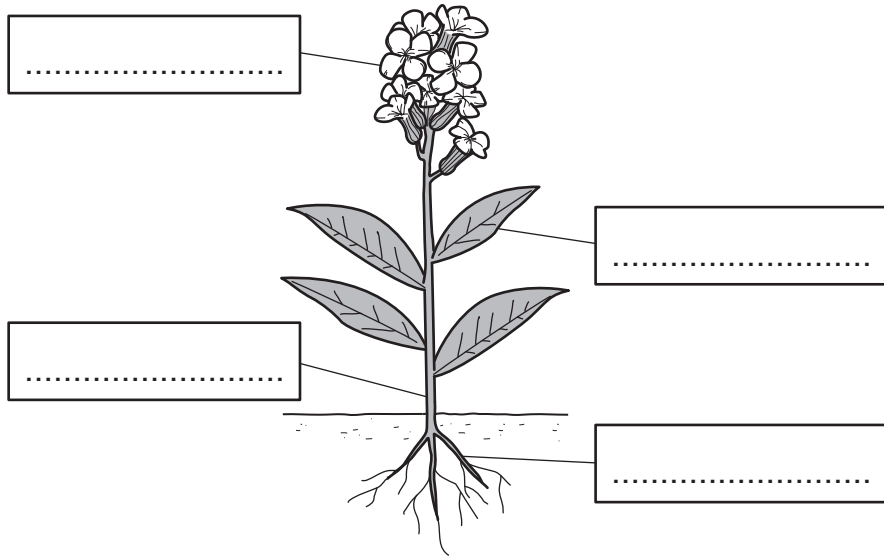
The number of marks is given in brackets [] at the end of each question or part question.

The total number of marks for this paper is 40.

For Teacher's Use	
Page	Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
Total	

1 A plant has different parts.

Label the parts of the plant.



[1]

2 The table shows some materials and their properties.

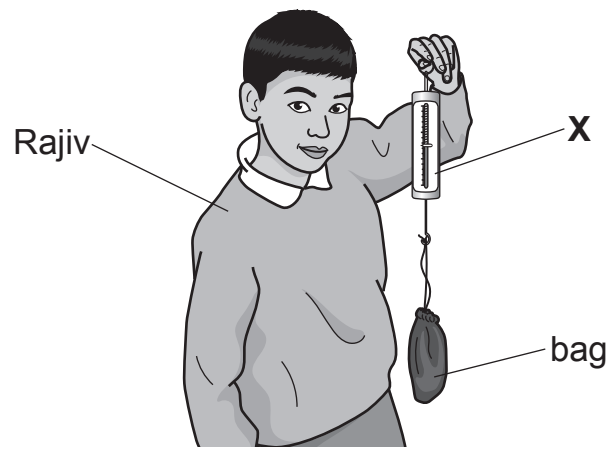
Complete the table.

Two have been done for you.

material and object	property of material		
	is it flexible?	is it hard?	is it transparent?
glass window
wool clothes	no
plastic bag	yes

[3]

3 Rajiv measures forces.



(a) Rajiv uses equipment **X** to measure a force.

Write down the name of equipment **X**.

..... [1]

(b) The force of the bag on **X** is 2 units.

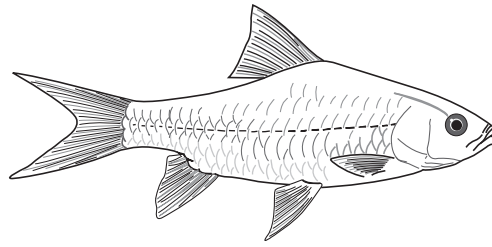
Describe how Rajiv can **decrease** the force on **X**.

.....

Describe how Rajiv can **increase** the force on **X**.

..... [2]

4 A fish is a living animal.



Write down two life processes of a fish.

1

2 [2]

5 The table shows the properties of some materials.

material	properties			
	is it strong or weak?	does it conduct electricity?	does it conduct heat?	does it have a high melting point?
A	strong	yes	yes	yes
B	weak	yes	yes	yes
C	weak	no	no	no
D	strong	no	no	yes
E	weak	yes	yes	no
F	strong	yes	no	yes

(a) Which material conducts heat and has a **low** melting point?

.....

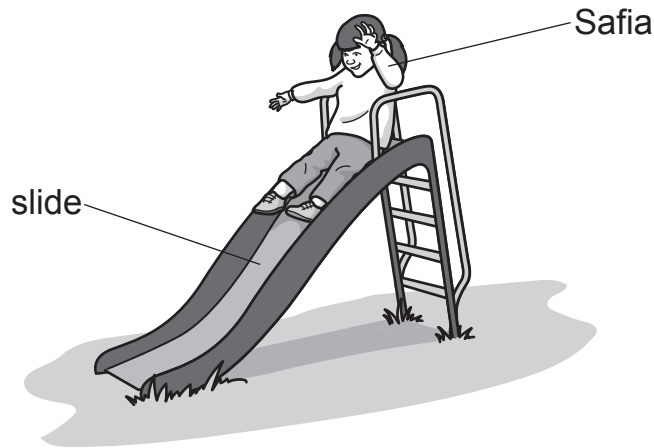
[1]

(b) Metals conduct electricity and heat.

Which **three** materials are metals?

..... [2]

6 Safia plays on a slide.



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

She is not moving.

What must Safia do to move down the slide?

..... [1]

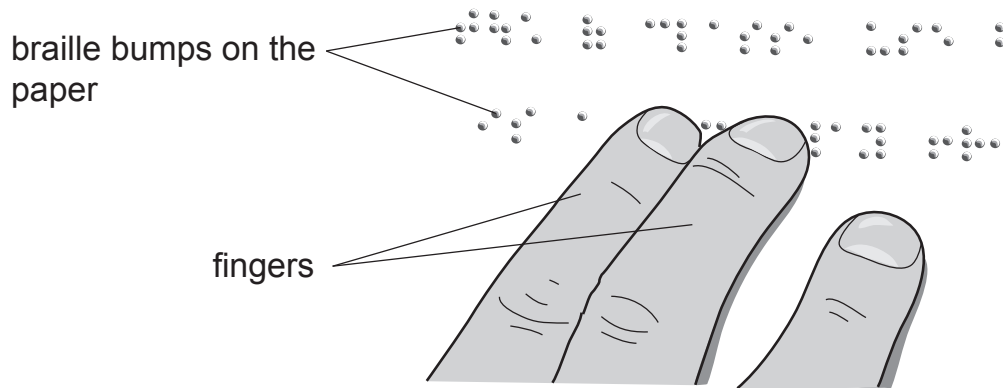
(b) Safia moves down the slide slowly.

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

1

2 [2]

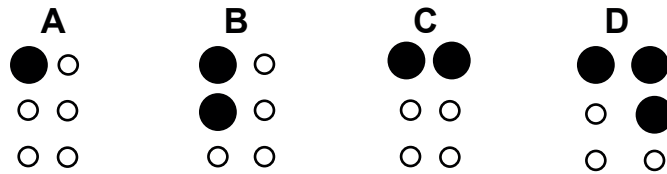
7 People who **cannot** see use braille to read.



(a) Which sense is being used to read the braille bumps?

..... [1]

(b) Each letter has a different pattern of bumps.

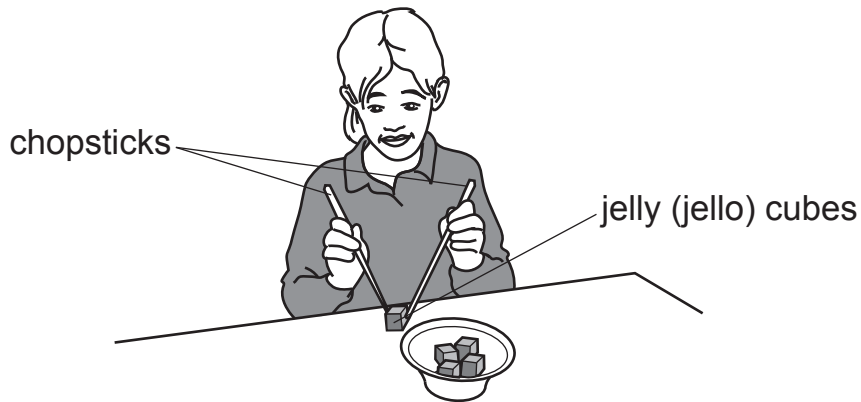


What information do you need to read a book using braille?

..... [1]

- 8 Blessy investigates how quickly she can move jelly (jello) cubes from one place to another.

She uses chopsticks to pick up the cubes.



- (a) Blessy always uses the same force to pick up the cubes.

Why does she use the same force?

Circle the **best** answer.

to answer questions

to make a fair test

to make a prediction

to observe

to present results

[1]

- (b) Blessy holds the cube with the chopsticks.

What happens to the cube?

Circle the **best** answer.

changes colour

changes mass

changes shape

changes taste

changes weight

[1]

9 Magnets are made from magnetic materials.

Which materials can be used to make a magnet?

Tick (✓) the **two** correct boxes.

aluminium

copper

iron

plastic

steel

wood

[2]

10 Some of the foods we eat can damage our health.

(a) Here is a list of foods.

~~apple~~ banana cake chicken
 chocolate fried potato rice

Decide if each food is healthy or can damage our health.

Put the foods in the correct column in the table.

One has been done for you.

healthy	can damage our health
apple	

[2]

(b) Cookies can also damage our health.

Write down two things in cookies which can damage our health.

1

2 [2]

(c) Apples contain things the body needs to keep healthy.

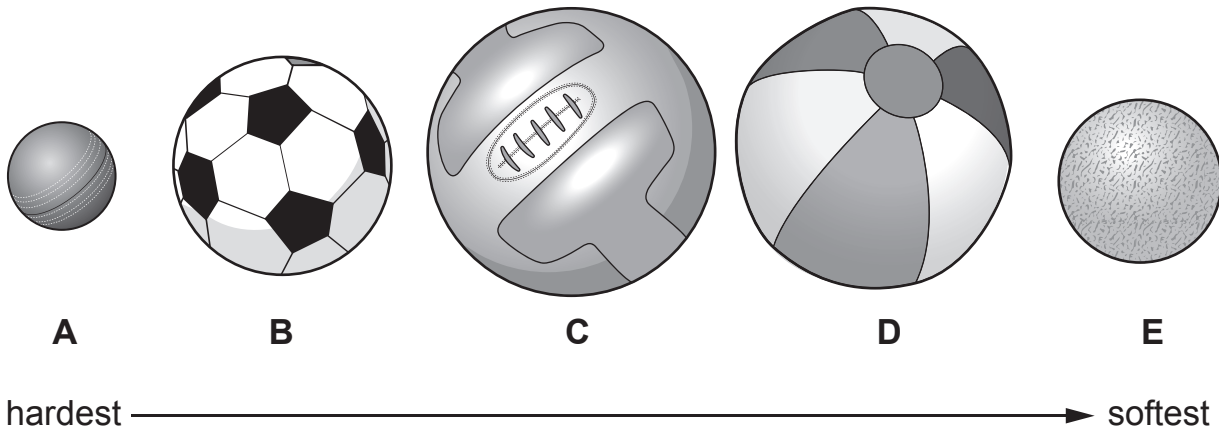
Write down **one** of these things.

..... [1]

11 Chen and Aiko investigate forces on balls.

They have 5 different balls.

Chen puts the balls in order from hardest to softest.



(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?

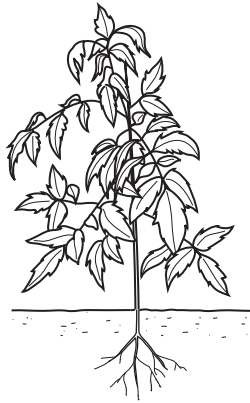
Circle the correct answer.

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

[1]

12 Hassan writes about plants and water.

For
Teacher's
Use



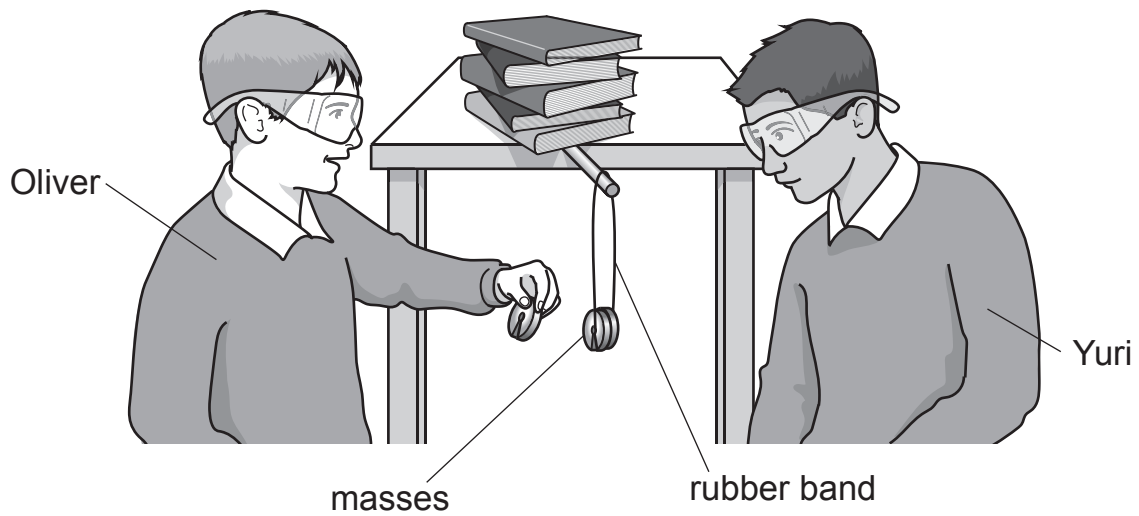
Complete the sentences.

Water travels up the plant through the

If the plant does not get water it will

[2]

13 Class 3 investigate rubber bands.



Oliver puts masses on the rubber band.

Yuri counts the number of masses when the rubber band breaks.

(a) What happens to the rubber band before it breaks?

..... [1]

(b) Oliver and Yuri repeat the method with four different rubber bands.

Yuri writes down the results.

rubber band 1 = 2 masses

rubber band 3 = 2 masses

rubber band 2 = 3 masses

rubber band 4 = 3 masses

Complete the table of results.

rubber band	number of masses added
1
2
3
4

[1]

(c) What do the results show about the number of masses added?

Circle the correct answer.

the highest mass is 2

the lowest mass is 3

the total mass is 6

the masses are different

the masses are the same

[1]

14 Mia and Pierre are investigating growth.

They measure the height of their friends

- at the start of the year
- at the end of the year.

Here are their results.

friend	boy or girl	height at start of year in cm	height at end of year in cm	change in height in cm
Ahmed	boy	108	112	4
Aiko	girl	105	108	3
Chen	boy	112	115	3
Jamila	girl	107	110	3
Lily	girl	107	112	5
Rajiv	boy

(a) The results for Rajiv are missing from the table.

Use this information to complete the table.

Rajiv grew by 4 cm from 110 cm at the start to 114 cm at the end. [1]

(b) Which friend grew the **most** during the year?

..... [1]

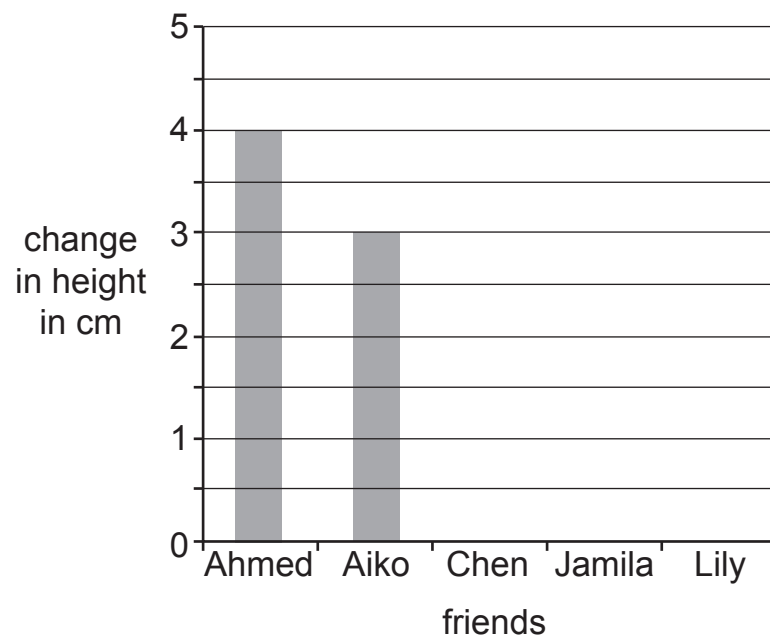
(c) Look at the heights at the start of the year.

What can you say about the heights of the boys compared to the girls?

..... [1]

(d) Mia draws a bar chart to show the change in height of her friends.

Complete the bar chart.



[2]

For
Teacher's
Use

15 Jamila has seven different materials.

The table shows some properties of these materials.

material	is it flexible?	does it conduct electricity?	is it strong?	is it shiny?
A	yes	yes	yes	yes
B	no	no	no	no
C	no	no	yes	yes
D	yes	yes	no	yes
E	yes	no	no	no
F	no	yes	no	yes
G	no	no	yes	yes

(a) Jamila sorts the materials into two groups.

Group 1 contains materials **A**, **C** and **G**.

Group 2 contains materials **B**, **D**, **E** and **F**.

Which property did Jamila use to sort the materials?

..... [1]

(b) Ahmed sorts the materials in a different way.

In group 1 all the materials are shiny.

Which materials are in this group?

..... [1]