NAN HUA PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2025

PRIMARY 3

SCIENCE
(BOOKLET A)

Total Time for Booklets A and B: 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your name, index number and class in the spaces provided below.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a 2B pencil to shade your answers on the Optical Answer Sheet (OAS).

Marks Obtained

Booklet A		**/ 48**
Booklet B		**/ 32**
Total		**/ 80**

Name: _____ ( )

Class: P3 _____

Date: 28 October 2025

Parent's Signature: _____

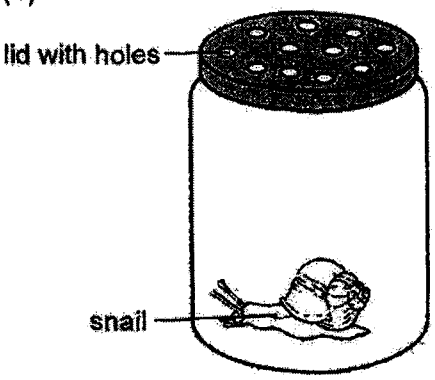
This booklet consists of 16 printed pages.

For each question from 1 to 24, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet. (48 marks)

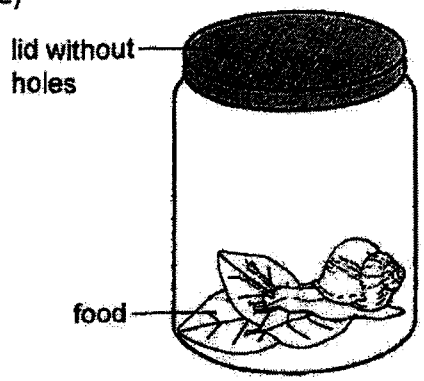
---

1 Li Li caught a snail and placed it in a container. Which container is the most suitable to keep the snail alive?

(1)



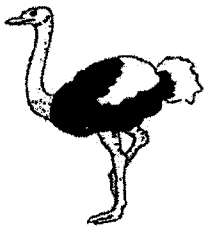
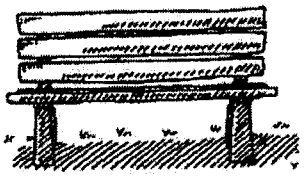
(2)



(3)

(4)

2 Observe the two groups of things below.

Group A	Group B
 fungi	 ball
 animal	 bench

Which row shows the correct classification of the four things?

	Group A	Group B
(1)	Can lay eggs	Cannot lay eggs
(2)	Cannot reproduce	Can reproduce
(3)	Cannot respond to changes	Can respond to changes
(4)	Needs air, food and water to survive	Does not need air, food and water to survive

(Go on to the next page)

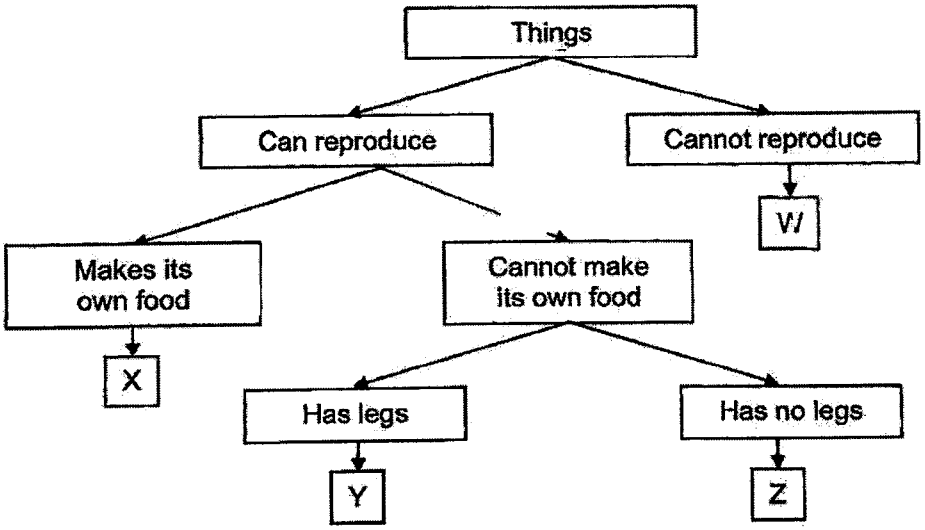
3 The table below shows the characteristics of organisms Q, R and S.
A tick (✓) shows the presence of the characteristic shown.

Characteristics	Q	R	S
Has spores		✓	✓
Makes its own food	✓	✓	

Which of the following is/are non-flowering plants?

(1) Q only
(2) R only
(3) S only
(4) R and S only

4 Study the chart below.

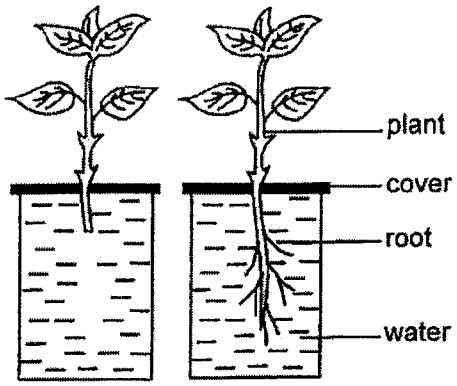


Which of the following could be objects W, X, Y and Z?

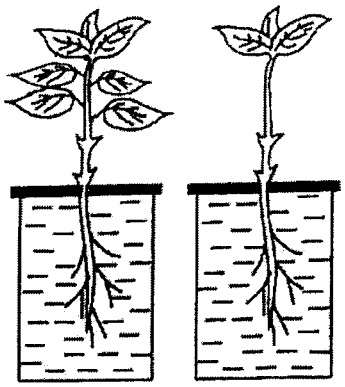
	W	X	Y	Z
(1)	table	tree	fern	snake
(2)	fern	tree	cat	bee
(3)	table	fern	bee	snake
(4)	fern	tree	bee	cat

5 Zul wants to carry out an experiment to find out if the number of leaves a plant has affects the amount of water its roots absorb. Which of the following set-ups should he use so that his experiment is a fair test?

(1)



(2)



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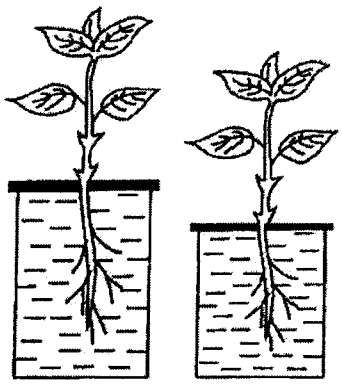
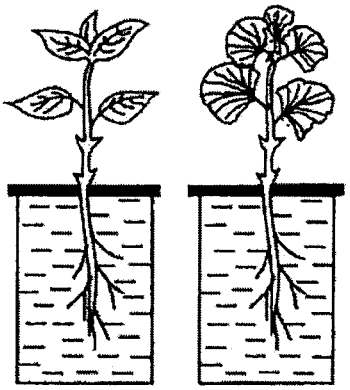


(4)



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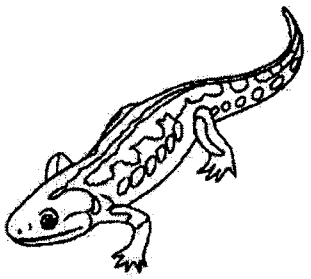
6 Andy writes four statements on animal B below.

1. Animal B lays eggs.
2. Animal B has claws.
3. Animal B has feathers.
4. Animal B runs on two legs.

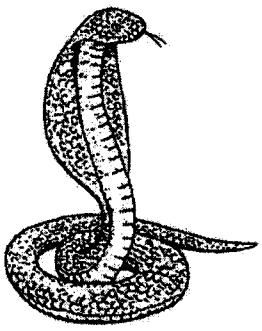
Andy concludes that animal B is a bird.
Which statement(s) help(s) him identify the animal?

(1) Statement 3
(2) Statements 1 and 2
(3) Statements 3 and 4
(4) Statements 1, 2, 3 and 4

7 The diagrams below show two animals.



salamander

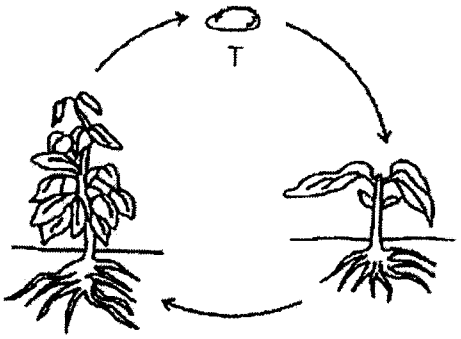


cobra

Which statement describes the two animals correctly?

(1) Both lay eggs.
(2) Both have moist skin.
(3) Both have dry and scaly skin.
(4) Both can live on land and in water.

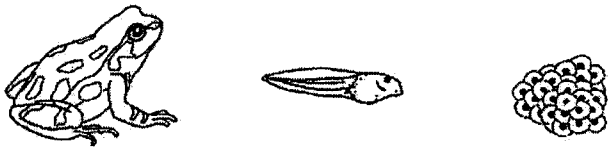
8 Study the life cycle below.



What is stage T?

(1) egg
(2) seed
(3) adult plant
(4) young plant

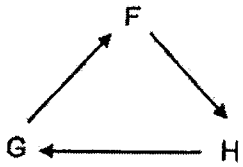
9 The diagrams below show the stages in the life cycle of a frog.



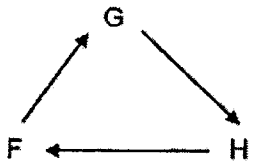
F G H

Which of the following shows the life cycle of a frog?

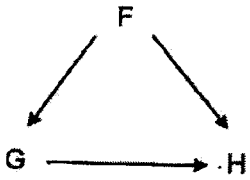
(1)



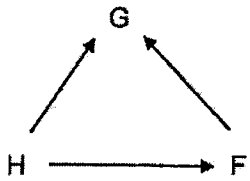
(2)



(3)



(4)



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10 Four children made the following statements.

Ali: All flowering plants go through three life cycles.

Betty: All animals have the same number of stages in their life cycles.

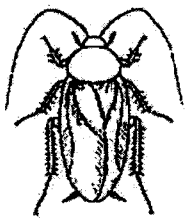
Carl: Non-flowering plants will bear fruits when they reach adult stage.

Dani: Living things go through a repeated pattern of change, growth and reproduction.

Who made the correct statement?

(1) Ali
(2) Betty
(3) Carl
(4) Dani

11 Kok Leong placed the two animals below into the same group.



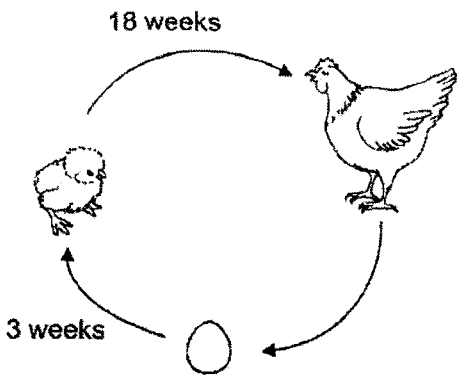
cockroach

mealworm beetle

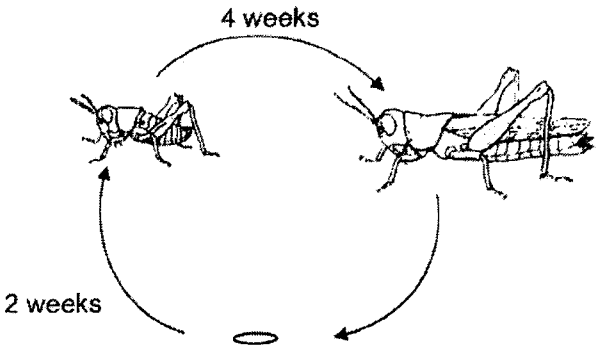
How are these two animals grouped together?

(1) Both their young resemble their adults.
(2) Both their life cycles take place on land.
(3) Both their young stop feeding before turning into adults.
(4) Both animals have the same number of stages in their life cycle.

12 Study the life cycles of animals S and T.



Life cycle of animal S



Life cycle of animal T

Based on the information above, which of the following statements are correct?

A Both the young of animal S and animal T look like their adults.

B Both animal S and animal T have three stages in their life cycles.

C Animal S takes 3 weeks to lay eggs while animal T takes only 2 weeks.

D Animal T takes a shorter time than animal S to become an adult after it hatches.

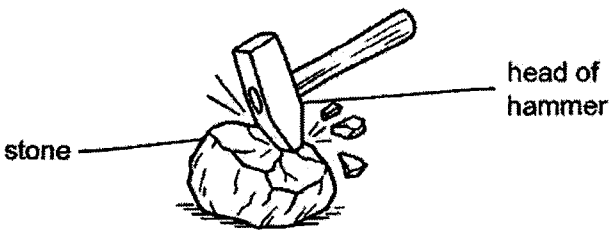
(1) A and D only

(2) B and C only

(3) A, B and D only

(4) A, B, C and D

13 Which material is most suitable for making the head of a hammer used to break stones?



(1) Wood

(2) Metal

(3) Plastic

(4) Rubber

(Go on to the next page)

14 Thaddius accidentally dropped a cup, and it broke into pieces as shown.

The cup is most likely made of _____.

(1) wood

(2) glass

(3) metal

(4) plastic

15 A group of students tested three materials for their waterproof ability. They placed equal amount of water on each material and recorded their observations in the table below.

Material	Observation
A	Water is absorbed fully
B	Water stayed on the surface
C	Water is partly absorbed

Which material(s) is/are **not** waterproof?

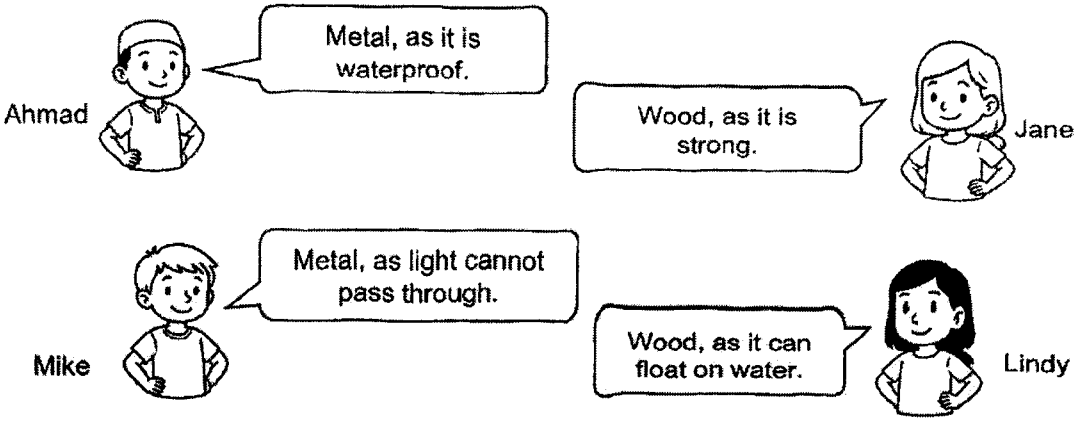
(1) A only

(2) B only

(3) A and C only

(4) A, B and C

16 Jenny wanted to build a shelf to hold her books. Her friends provided some suggestions with explanations.



Whose statement will help Jenny choose the most suitable material to build the shelf?

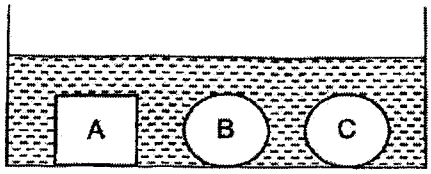
(1) Mike

(2) Jane

(3) Jane and Lindy

(4) Ahmad and Mike

17 Mr Low placed three objects, A, B and C, each made of different materials into a container of water as shown below. He wanted to find out which type of material could absorb water.



How should Mr Low improve his set-up above to ensure a fair experiment?

(1) Add more water into the container.

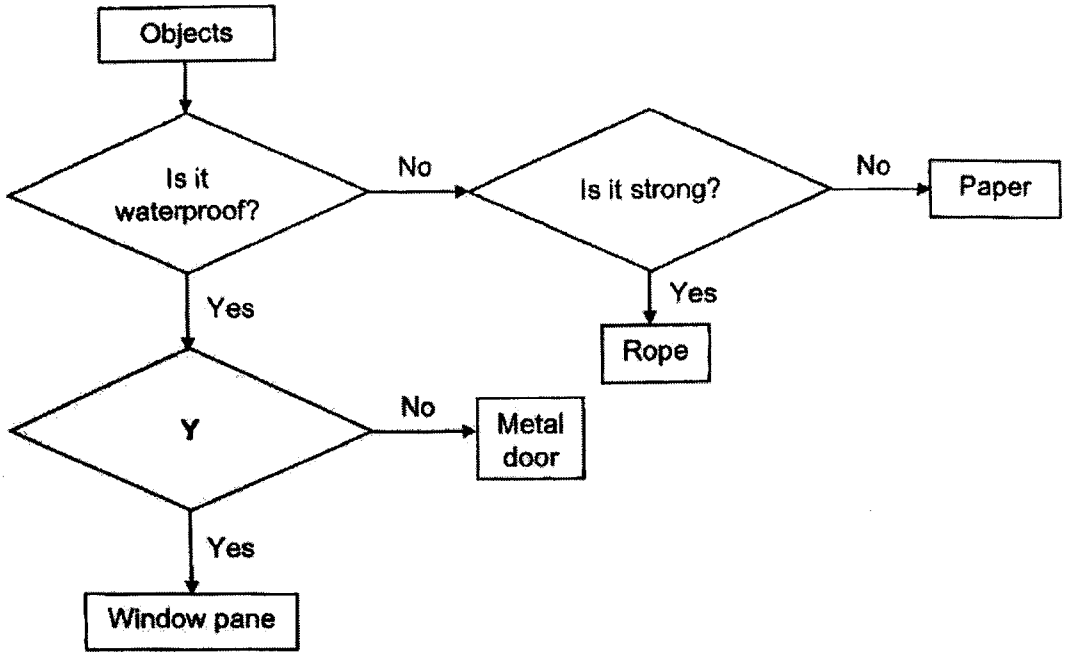
(2) Repeat the experiment a few more times.

(3) Use objects made of different materials but of the same shape.

(4) Use objects of different shapes but made of the same material.

(Go on to the next page)

18 Study the flowchart below.



Which is a suitable question for **Y**?

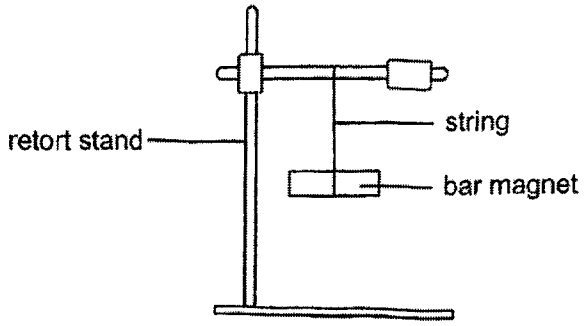
(1) Is it heavy?

(2) Is it flexible?

(3) Is it transparent?

(4) Is it able to float in water?

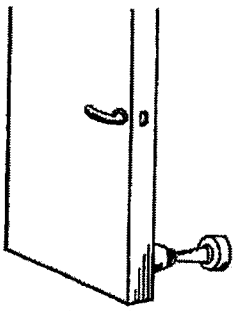
19 Aaron tied a bar magnet as shown below. He gave the magnet a gentle push and let it come to a rest.



After the bar magnet comes to a rest, it will _____.

(1) lose some of its magnetism.
(2) become a stronger magnet.
(3) point in the East-West direction.
(4) point in the North-South direction.

20 Below are three common items found in our daily life.


doorstop

soap dispenser

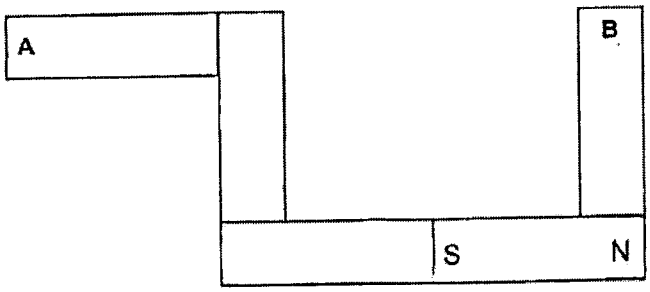

water bottle

Which of the following object(s) is/are likely to use magnets in its function?

(1) Doorstop only
(2) Water bottle only
(3) Doorstop and soap dispenser only
(4) Soap dispenser and water bottle only

(Go on to the next page)

21 Five bar magnets were arranged as shown in the diagram below. They were attracted to one another.



Which of the following correctly represents the poles marked A and B?

	A	B
(1)	North	North
(2)	North	South
(3)	South	North
(4)	South	South

22 Judy lowered a ring magnet onto a tray of steel clips as shown in diagram 1. Diagram 2 showed the bottom view of the magnet.

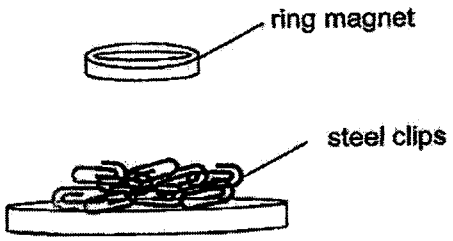


Diagram 1

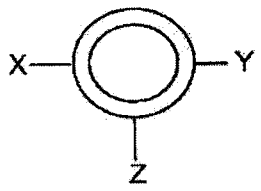
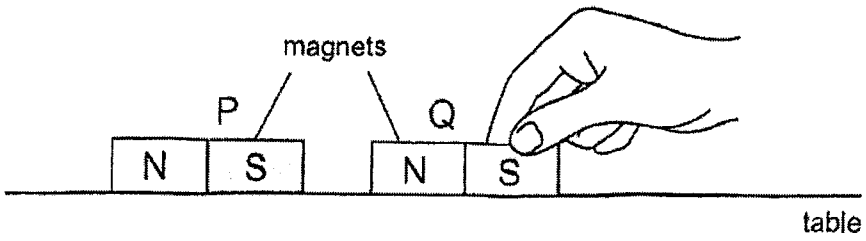


Diagram 2

Which of the following most likely shows the number of steel clips attracted to the bottom of the ring magnet at position X, Y and Z?

	X	Y	Z
(1)	2	3	5
(2)	5	5	1
(3)	3	0	2
(4)	3	3	3

23 Thomas placed two magnets, P and Q, close together as shown.



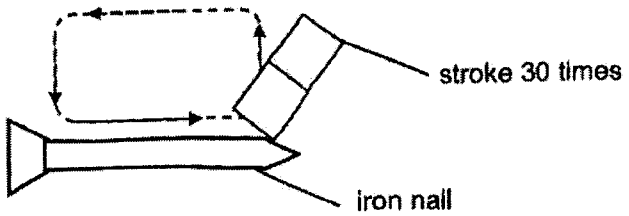
Which directions do magnets P and Q move when Thomas removes his hand on Q?

	Direction of magnet P	Direction of magnet Q
(1)	→	→
(2)	→	←
(3)	←	→
(4)	←	←

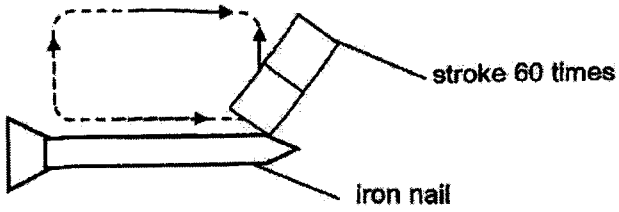
(Go on to the next page)

24 Which of the following can be made into the strongest magnet?

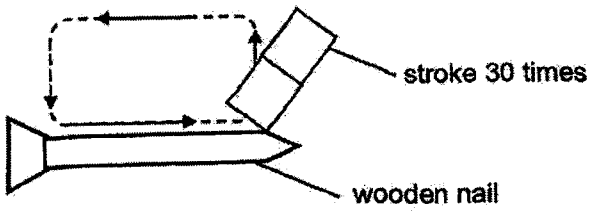
(1)



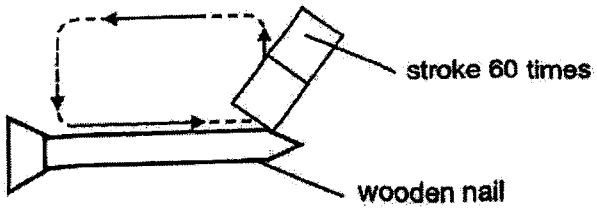
(2)



(3)



(4)



(Go on to Booklet B)

NAN HUA PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2025

PRIMARY 3

SCIENCE
(BOOKLET B)

Total Time for Booklets A and B: 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your name, index number and class in the spaces provided below.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Marks Obtained

Booklet B		**/ 32**

Name: _____ ( ) **Class: P 3** _____

Date: 28 October 2025 **Parent's Signature:** _____

This booklet consists of 13 printed pages and 1 blank page.

For questions 25 to 34, write your answers in this booklet.
The number of marks available is shown in brackets [ ] at the end of each question or part question. (32 marks)

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25 Mr Lim observed plant P in a garden over five months. He recorded his observations below.

	1st month	2nd month	3rd month	4th month	5th month
Height of plant P (cm)	15	20	30	40	55

(a) What did Mr Lim observe about the height of plant P over the five months? [1]

(b) What characteristic of living things does plant P show? [1]

After two years, Mr Lim noticed that there were more plant P in his garden.

(c) What happened to plant P? [1]

Score	
	3

26 Study animal E below.

(a) Give two reasons why Animal E is not an insect. [2]

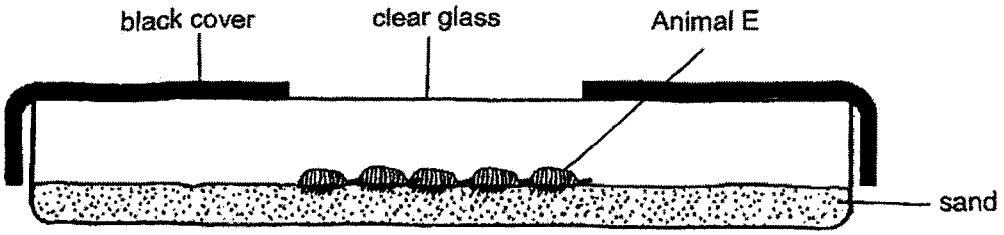
Reason 1: _____

_____

Reason 2: _____

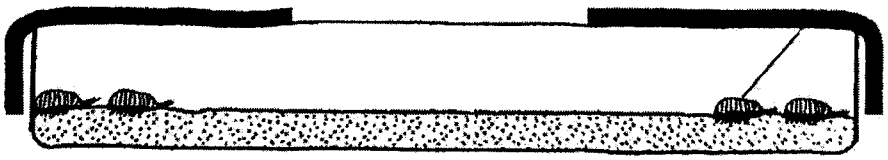
_____

Peter placed five animal E in a container for 30 minutes as shown below.



At the start of the experiment

Animal E



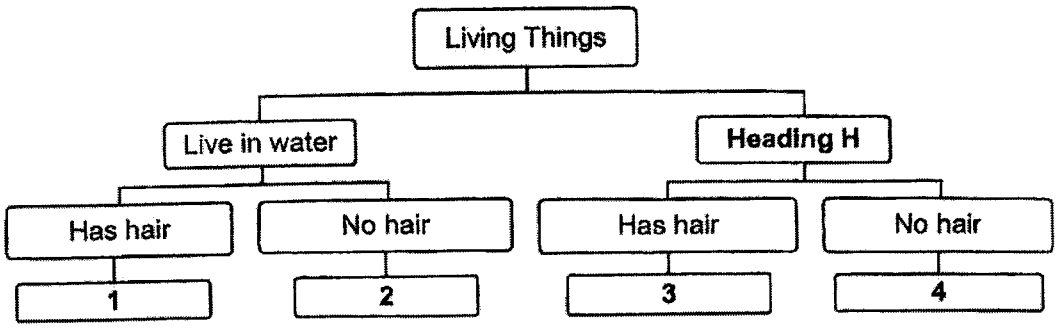
At the end of the experiment

(b) Mark out with a cross 'X' in the container where the last animal E can be found. [1]

Score	3

(Go on to the next page)

27 Study the chart below.

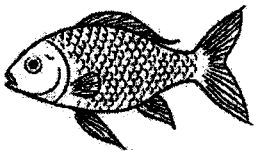


(a) Write down a suitable heading for Heading H. [1]

Heading H:_____

Use the chart above to circle the answers for **(b)**, **(c)** and **(d)**. [1]

(b) The animal shown below belongs to group (1 / 2 / 3 / 4).



The table below shows some characteristics of two animals, X and Y.

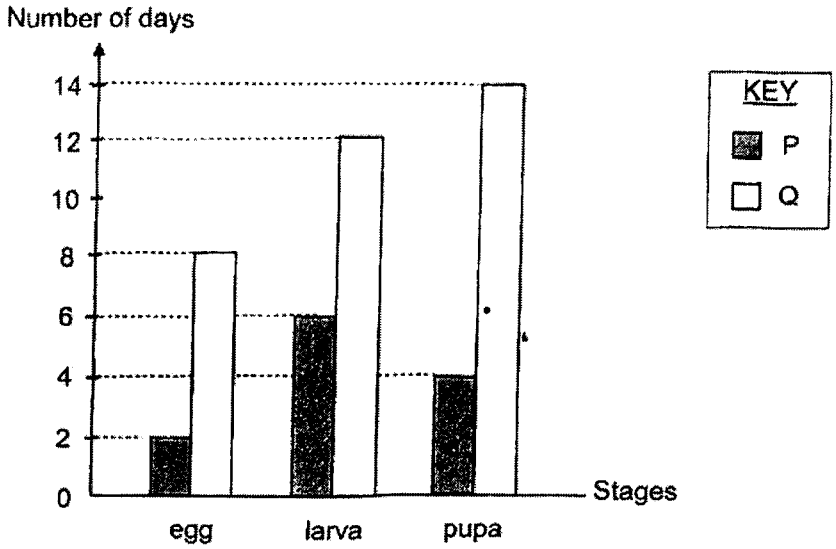
	Animal X	**Animal Y**
Has hair		✓
Lives in water		✓
Has a pair of feelers	✓	
Has hard outer covering	✓	

(c) Animal X belongs to group (1 / 2 / 3 / 4). [1]

(d) Animal Y belongs to group (1 / 2 / 3 / 4). [1]

Score	/4

28 The graph below shows the length of time for some stages in the life cycles of organisms P and Q.



(a) State two similarities between the two life cycles.
(Do **not** name the stages in the life cycles.) [2]

Similarity 1: _____

_____

Similarity 2: _____

_____

(b) Based on the graph above, if organisms P and Q lay their eggs at the same time, at what stage will organisms P and Q be on Day 14? [2]

P: _____ stage

Q: _____ stage

Score	4

(Go on to the next page)

29 Lishan keeps an egg of insect M in a tank. She places 40 leaves inside. She records how the egg turns into an adult insect in the table below.

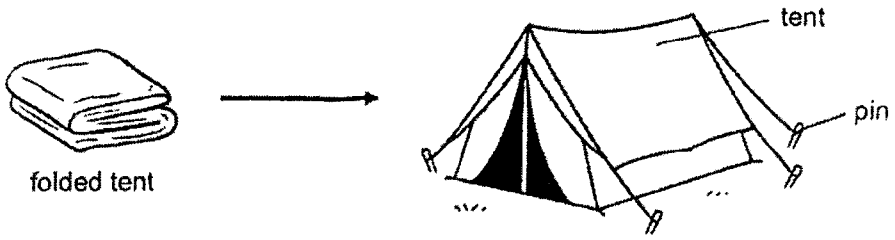
Stage	Number of leaves at the start of each stage	Number of leaves at the end of each stage
egg	40	40
adult	40	40
S	40	40
T	40	5

(a) Based on the table above, draw the life cycle of insect M using **'egg'**, **'adult'**, **'S'** and **'T'**, in the box below. [1]

(b) Why does the number of leaves in the tank remain the same when the insect is at the adult stage? [1]

Score 2

30 Peter tested four different materials to decide which is most suitable for making a tent used during outdoor adventures. The results are shown in the table below.



Material	Properties of material	
	Waterproof	Flexible
metal	✓	×
plastic	✓	✓
fabric	×	✓

✓: Yes
×: No

(a) Based on the table above, which material is the most suitable for making a tent? Explain why. [2]

_____

_____

_____

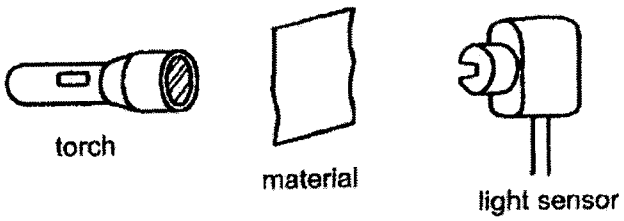
(b) Which material, stated in the table above, is the most suitable for making the pin? [1]

Material: _____

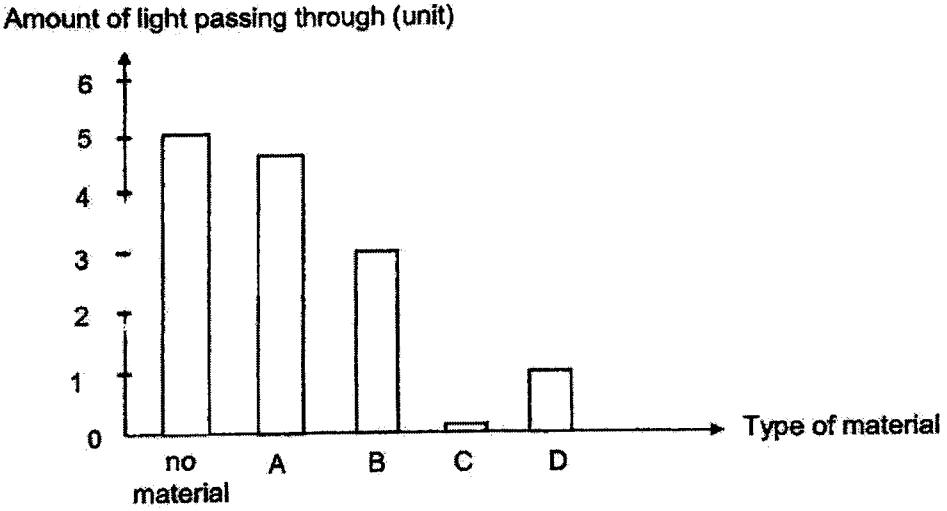
Score 3

(Go on to the next page)

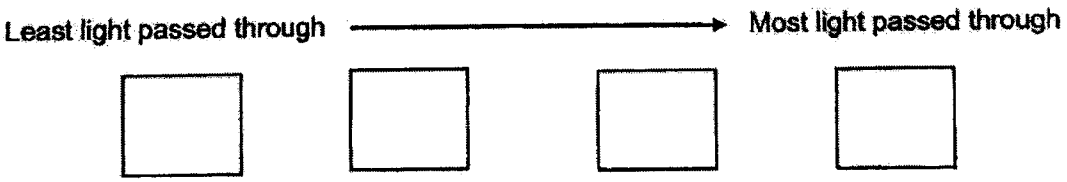
31 Halim used a light sensor to measure the amount of light passing through four different materials as shown below.



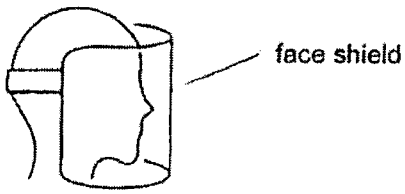
Halim recorded the first reading without any material between the torch and the light sensor. He repeated the experiment with materials A, B, C and D, one at a time. The results are shown in the graph below.



(a) Fill in the boxes below with letters A to D, arranging each material by the amount of light they allow to pass through. [1]

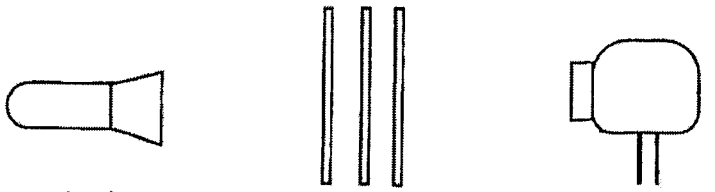


Halim wanted to choose a material for a face shield as shown.



(b) Halim chose material A for the face shield. Do you agree? Explain your answer. [2]

In another experiment, Halim placed different number of material B between the torch and light sensor as shown.



He recorded the amount of light passing through in the table below.

Number of material B	Amount of light passing through (unit)
1	3
3	2
5	1

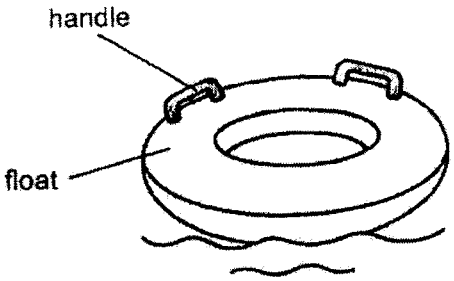
(c) State how the number of material B affects the amount of light passing through it. [1]

Score	
	4

(Go on to the next page)

32 The table below shows the property of two materials, P and Q.

Material P	Material Q
Strong	Able to float in water



(a) Peter wants to make a float for his swimming class. Which materials should he use for the different parts of the float? Fill in the table with letters P or Q. [1]

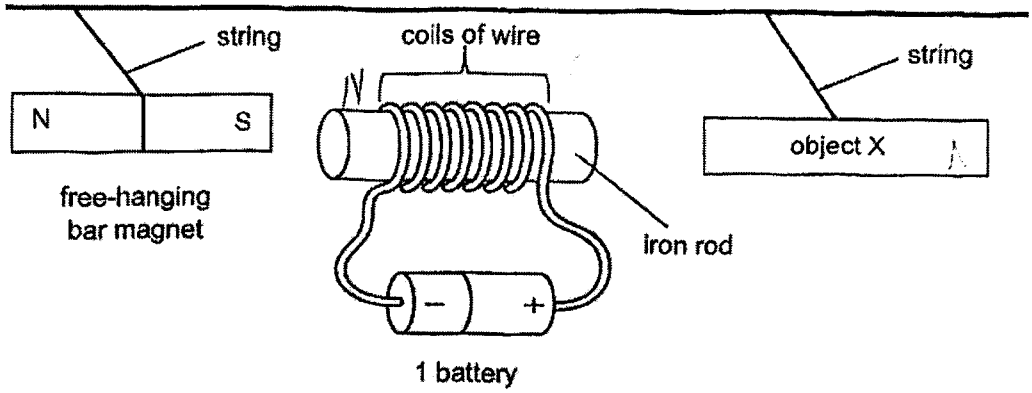
	Part	Material
(i)	float	
(ii)	handle	

(b) Other than being strong and able to float in water, state another property the material used to make the float must have. [1]

_____

Score	
	2

33 Ali magnetised an iron rod using the electrical method. He hung two objects with strings, a bar magnet and object X, near the electromagnet setup. He observed the magnet and object X moved in the direction as shown below.



(a) Fill in the blank with a suitable word. [1]

Object X is a _____.

(b) Explain your answer in **(a)**. [1]

_____

_____

(c) Describe two methods to increase the magnetic strength of the electromagnet. [2]

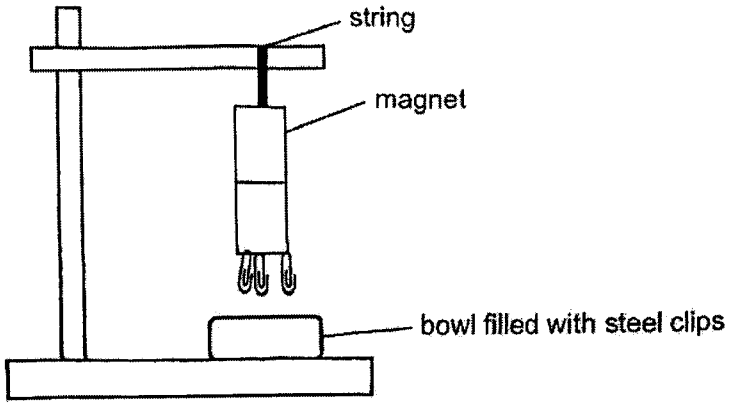
Method 1: _____

Method 2: _____

Score	
	4

(Go on to the next page)

34 Linda wanted to test the strength of three magnets, A, B and C. She prepared the set-up as shown.



She recorded the number of steel clips attracted to each magnet in the table below. She repeated the experiment with magnet B and C.

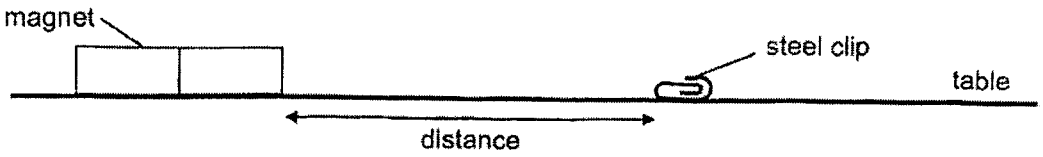
Magnet	Number of steel clips attracted by the magnet
A	3
B	15
C	12

(a) Which magnet is the strongest? Explain your answer. [1]

_____

_____

Linda placed magnet A and a steel clip on the table as shown.



She moved magnet A towards the steel clip until the magnet attracted it. She then measured the distance between the steel clip and the magnet. She repeated the experiment with magnets B and C and recorded the results in the table below.

Magnet	Distance (cm)
A	4
B	10
C	X

(b) What is a possible value for X? _____ cm [1]

(c) State one variable Linda needs to keep the same to ensure a fair test. [1]

_____

End of Paper

Score	
	3

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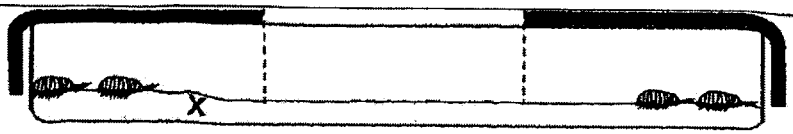
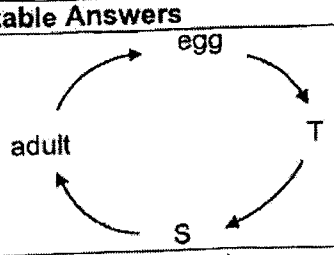
NAN HUA PRIMARY SCHOOL
END-OF-YEAR EXAMINATION 2025
PRIMARY 3 SCIENCE
STUDENT ANSWER KEY

Booklet A

Qn No	Correct Answer	Qn No	Correct Answer	Qn No	Correct Answer	Qn No	Correct Answer	Qn No	Correct Answer
1	4	**6**	1	**11**	2	**16**	2	**21**	3
2	4	**7**	1	**12**	3	**17**	3	**22**	4
3	2	**8**	2	**13**	2	**18**	3	**23**	2
4	3	**9**	1	**14**	2	**19**	4	**24**	1
5	2	**10**	4	**15**	3	**20**	1		

Booklet B

Qn	Correct/Acceptable Answers
25a	The height of plant P has increased.
25b	Living things can grow.
25c	Plant P reproduced
26a	Animal E does not have 3 body parts but an insect has 3. **OR** Animal E has more than 6 legs while an insect has 6 legs.
26b	
27a	Heading H: Live on land
27b	group (1 / (2) / 3 / 4).
27c	Animal X: group (1 / 2 / 3 / (4)).
27d	Animal Y group ((1) / 2 / 3 / 4).
28a	Any 2 of the following answers. • Both animals have four stages in their life cycles. • Young of both animals do not resemble their adult. • Both animals spend the least number of days in the egg stage.
28b	P: Adult stage Q: Larva/ larval stage

Qn	Correct/Acceptable Answers
29a	
29b	The adult insect does not feed on leaves.
29c	Adult
30a	Claim/Choice: Plastic. Evidence: It is waterproof and flexible. Link : It will keep the rain out/ keep him dry Link: and it can be folded.
30b	Accept only metal
31a	Least light → Most light C, D, B, A
31b	Claim/Choice: Agree. Evidence: The amount of light detected has the highest/greatest unit. Concept: Material A allows most amount of light to pass through. Link: Hence, the user is able to see most clearly.
31c	As the number of material B increases, the amount of light passes through them decreases.
32a	(i) Q (ii) P
32b	Waterproof
33a	Magnet
33b	Evidence: Object X repelled from the electromagnet. Concept: Only magnets can repel each other when the like poles are facing each other.
33c	Method 1: Increase the number of turns around the iron rod. Method 2: Increase the number of batteries used.
34a	Magnet B It attracted the greatest/ most number of steel clips
34b	Accept any answer between 4 cm and 10 cm.
34c	Any one of the following: - Same type of steel clip - Same type/surface of table

End of Answer Key