WA3

MAHA BODHI SCHOOL

2025 SCIENCE REVIEW 2

PRIMARY FOUR

Name : _____ ( ) Date : 27 August 2025

Class : Primary 4 _____

Duration : 40 min **Marks:** / 30

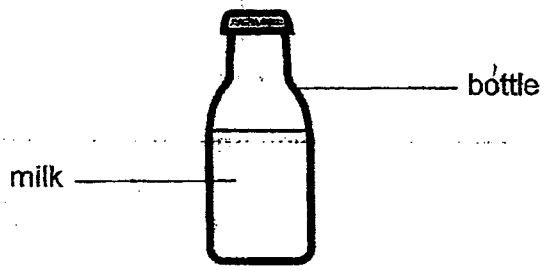
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Section A : [8 x 2 marks = 16 marks]
For each question from 1 to 8, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). **Write your answer in the bracket.**

1. Matter is anything that has mass and occupies space.
Which of the following is a matter?

(1) air
(2) light
(3) sound
(4) shadow ( )

2. Study the diagram below.



Which of the following properties is true for both the milk and the bottle?

(1) Both have a definite shape.
(2) Both have a definite volume.
(3) Both have no definite shape.
(4) Both have no definite volume. ( )

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3. Which of the following is not a source of light?

(1) 
candle

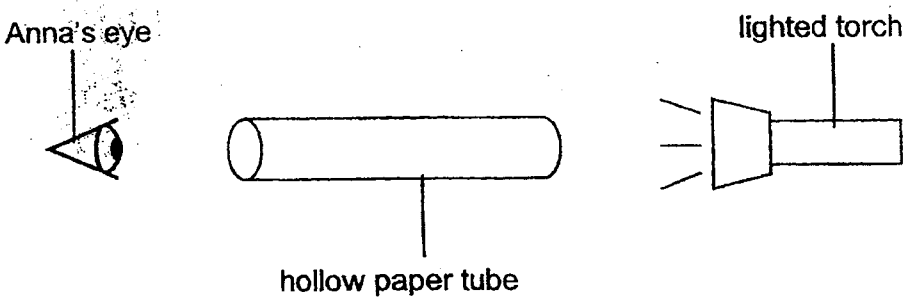
(2) 
fire

(3) 
moon

(4) 
torch

( )

4. Anna made a hollow roll of tube using a piece of paper. She looked through one end of the roll of tube and could see the lighted torch at the other end.



Which of the following explains why Anna was able to see the lighted torch?

(1) Light from the torch enters Anna's eye.

(2) Light from Anna's eye travels to the torch.

(3) Light from the surrounding travels into Anna's eye.

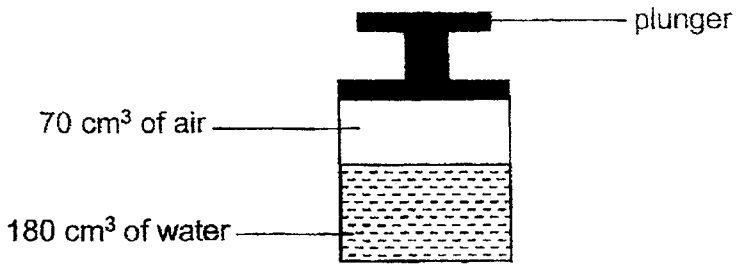
(4) The paper tube absorbs light from the surroundings.

( )

Marks : / 4

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5. Study the diagram below.



What will happen to the mass and volume of air inside the container when the plunger is pushed down?

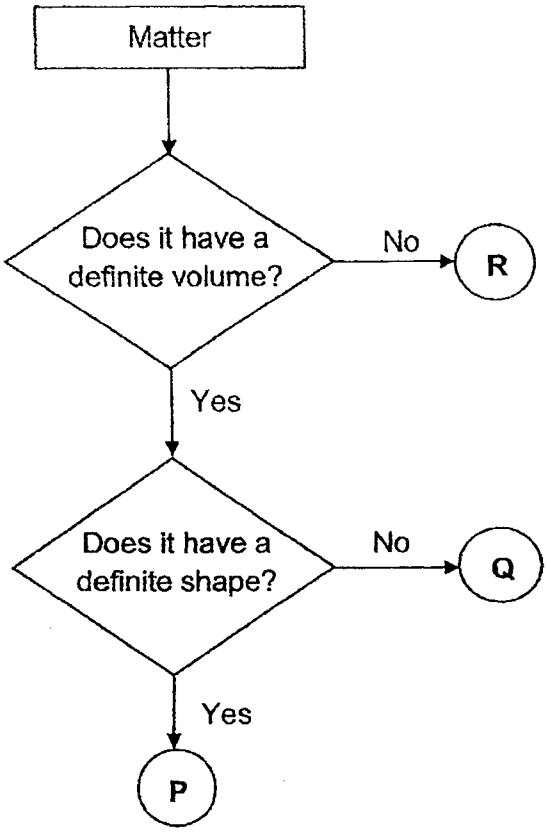
	Mass	Volume
(1)	increases	decreases
(2)	remains the same	increases
(3)	remains the same	decreases
(4)	decreases	increases

( )

Marks : / 2

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6. Study the flow chart below.



What could P, Q and R be?

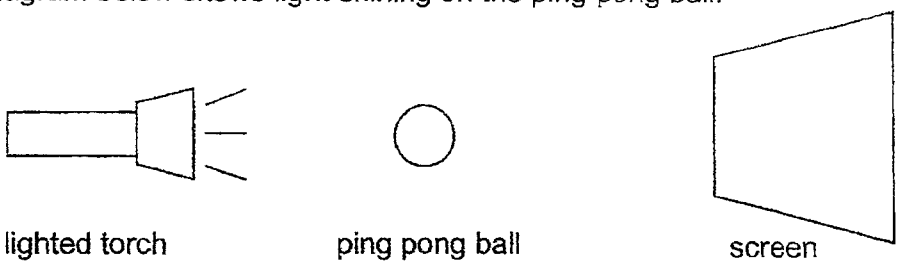
	P	Q	R
(1)	liquid	solid	gas
(2)	solid	liquid	gas
(3)	gas	solid	liquid
(4)	liquid	gas	solid

( )

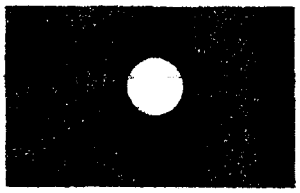
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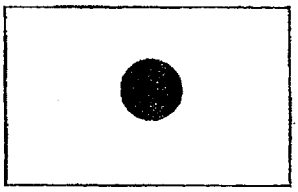
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7. The diagram below shows light shining on the ping pong ball.

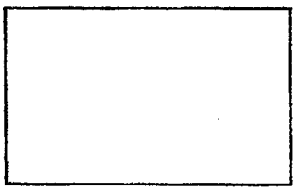


Which of the following would likely be seen on the screen?

(1) 

(2) 

(3) 

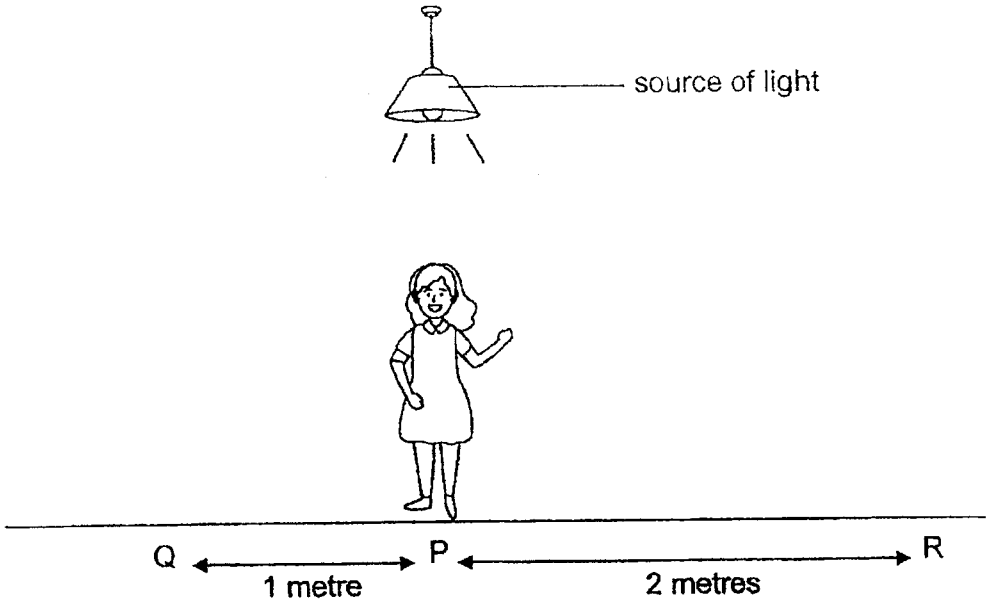
(4) 

( )

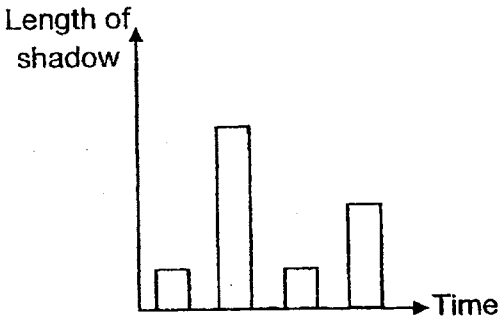
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8. Sharon stood under a source of light as shown in the picture below.



The graph below shows how the length of her shadow changed as she walked from one position to another under a source of light.



Which of the following shows the correct positions she walked?

(1) P → Q → P → R

(2) P → R → P → Q

(3) Q → P → R → P

(4) R → P → Q → P ( )

Marks : /2

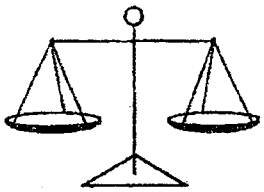
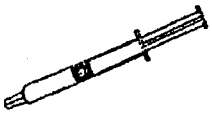
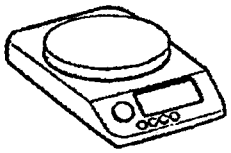
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SECTION B : [14 marks]
For questions 9 to 12, write your answers in this booklet.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

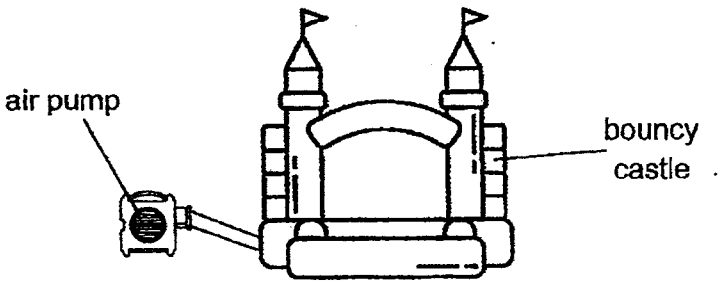
9. Which of the following can be used to measure the mass of an object?

Tick the correct box(es) below. [2]

(a)

 lever balance ☐	 measuring jug ☐
 syringe ☐	 electronic balance ☐

Toby's father rented a bouncy castle for his birthday as shown below.



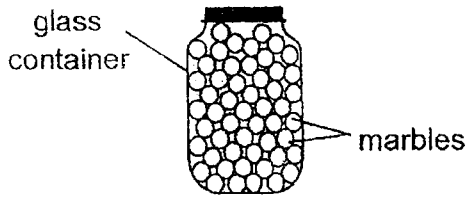
Toby observed that air can still be pumped into the bouncy castle even when it is fully inflated.

(b) State a property of air that allows the above observation to happen. [1]

Marks : / 3

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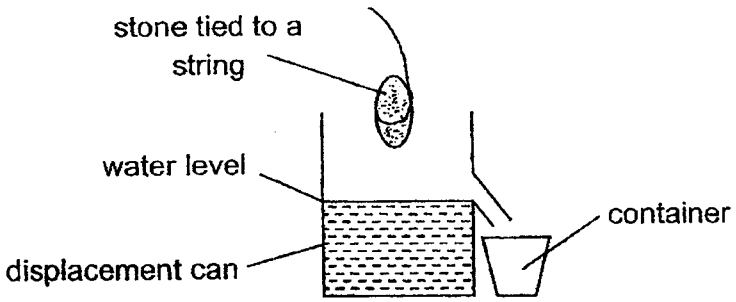
10. Debra filled a glass container to the brim with marbles as shown below. The volume of the glass container is 250 cm^3.



(a) (i) What is the state of matter of the marbles? [1]

(ii) Give a reason why Debra could still pour some water into the glass container even though it was filled to the brim with marbles. [1]

(b) The diagram below shows the set-up used to find the volume of a stone. Debra puts the entire stone into the water in the displacement can.



(i) What would Debra observe when she puts the stone fully into the water? [1]

(ii) Explain your answer in (bi). [1]

Marks: / 4

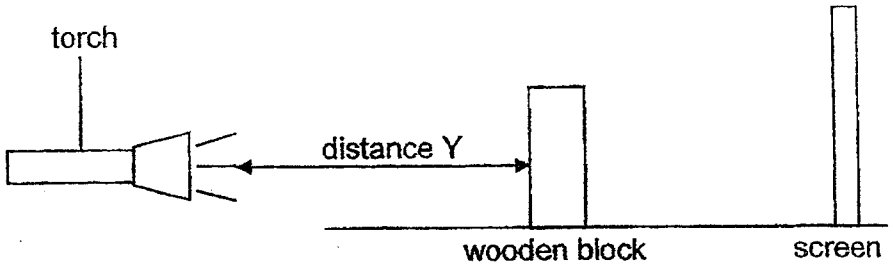
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11. (a) State how a shadow is formed. [1]

_____

_____

(b) Mandy set up an experiment shown below. A shadow of the wooden block cast on the screen when she turned on the torch. The height of the shadow was recorded.



Mandy repeated the experiment with different distance Y by shifting the position of the wooden block. The table below shows her results.

Distance Y (cm)	4	8	12	16	20
Height of shadow (cm)	30	25	20	15	?

(i) What is the height of the shadow when distance Y is 20 cm? [1]

_____

(ii) Based on the results above, what is the relationship between distance Y and the height of the shadow? [1]

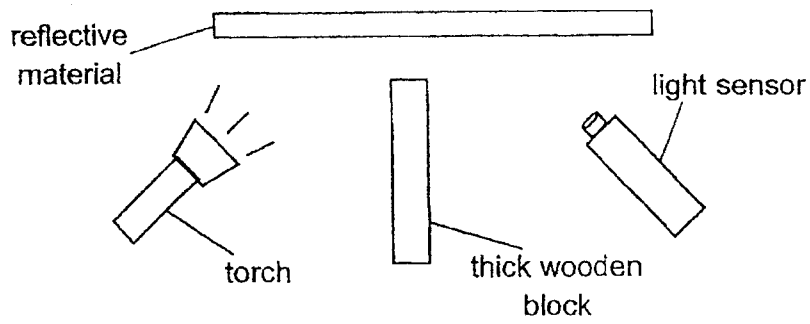
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12. Jason wants to find out how much light a material can reflect. He sets up the experiment as shown below.



The results of the experiment were recorded on the table below.

Material	Amount of reflected light measured (unit)
A	275
B	168
C	116
D	471

(a) Arrange materials A, B, C and D using the table below in order of how much light they reflect. [1]

Most reflective →			Least reflective

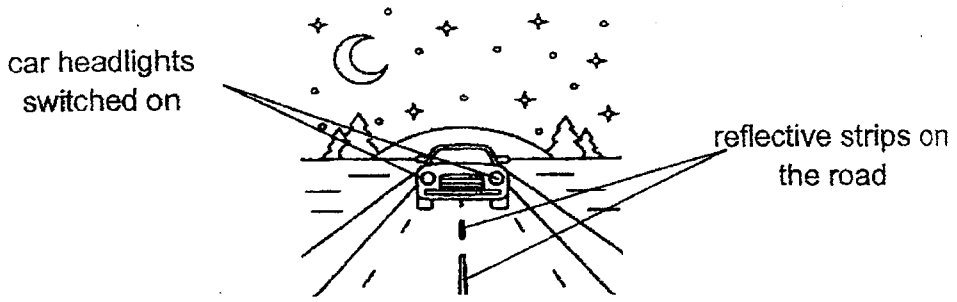
(b) State one variable in the experiment that was changed. [1]

_____

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12 (c) Reflective strips on roads allow drivers to see the road at night clearly even when there are no streetlamps along the road. The strips reflect light from the car's headlights back to the driver.



Based on the results above, which materials, A, B, C or D would be most suitable to be used as the reflective strips so that the driver can see the road most clearly? Explain your answer. [2]

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~ END OF PAPER ~

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YEAR : 2025
LEVEL : PRIMARY 4
SCHOOL : MAHA BODHI SCHOOL
SUBJECT : SCIENCE
TERM : REVIEW 2

SECTION A

Q1	1	Q2	2	Q3	3	Q4	1	Q5	3
Q6	2	Q7	2	Q8	2				

SECTION B

Q9	a) lever balance , electronic balance b) air can be compress
Q10	a) i. solid ii. in between the marbles are air space. so when S pour the water it will occupy the air space in the glass. b) i. some water will go in the container. ii. the stone will occupy space in the displacement can.
Q11	a) A shadow is formed when an object blocks light b) i. 10cm ii. when distance Y increase the height of the shadow decrease.
Q12	a) D , A , B , C b) the variable that was changed is the type of material. c) Material D is the most suitable because it reflected the largest amount of light, allowing the driver to see the road more clearly.

END

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