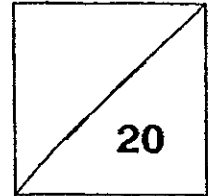




HENRY PARK PRIMARY SCHOOL
PRIMARY 3 SCIENCE 2013
TEST 1



Duration of Paper: 45 mins

Name: _____

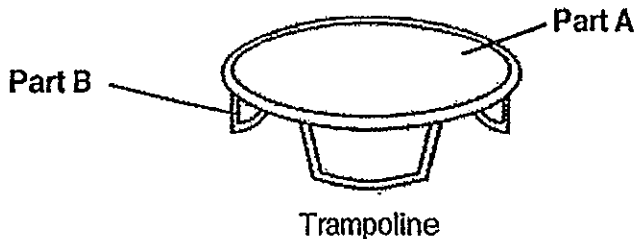
Class: Pr 3 _____

Parent's Signature: _____

SECTION A : Multiple Choice Questions (5 x 2 = 10 marks)

For each question from 1 to 5, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write its number in the bracket provided.

1. The picture below shows a trampoline which gymnasts use to practice their jumping. Parts A and B are made from different materials.

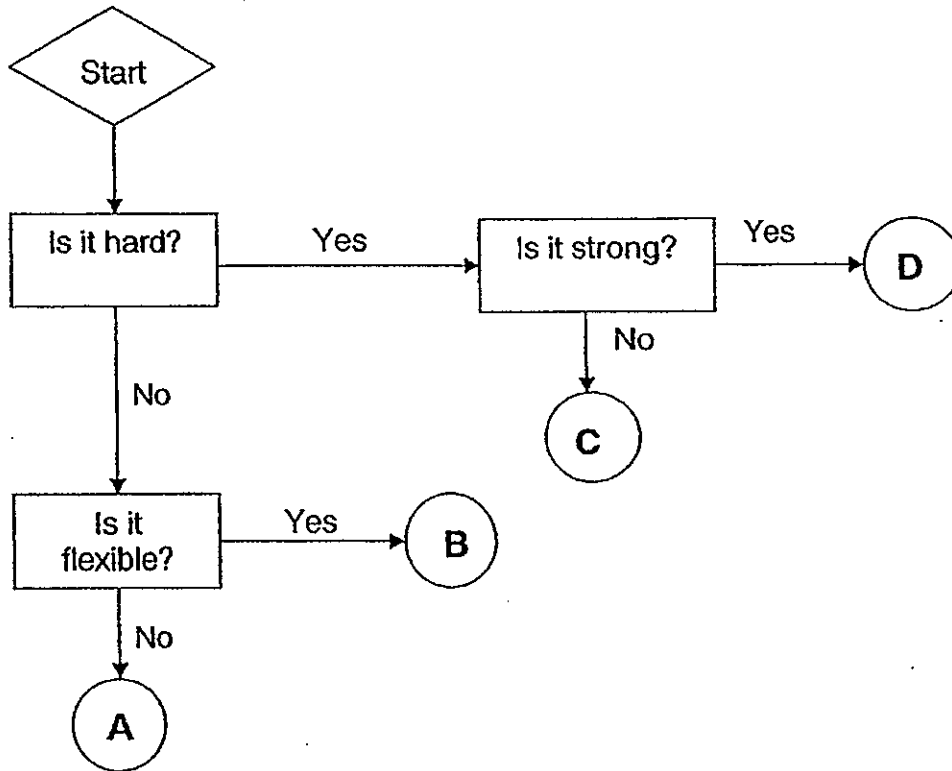


Which one of the following materials and their properties in the table below are most suitable to be used to make Parts A and B?

	Part A		Part B	
	Material	Properties	Material	Properties
(1)	Metal	Hard	Rubber	Flexible
(2)	Glass	Strong	Wood	Can float
(3)	Rubber	Can float	Glass	Hard
(4)	Fabric	Flexible	Metal	Strong

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2. The flow chart below shows the characteristics of objects A, B, C and D.



Based on the flowchart above, which one of the following best represents metal?

- (1) A
- (2) B
- (3) C
- (4) D

()

3. Look at the picture of the farmer's axe below. It is made of materials that are represented by Part X and Y.



Farmer's Axe

The axe is likely made of _____ and _____.

	Part X	Part Y
(1)	Wood	Metal
(2)	Metal	Wood
(3)	Plastic	Glass
(4)	Rubber	Wood

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4. John conducted several tests on materials P, Q, R, S. The results are shown in the table below.

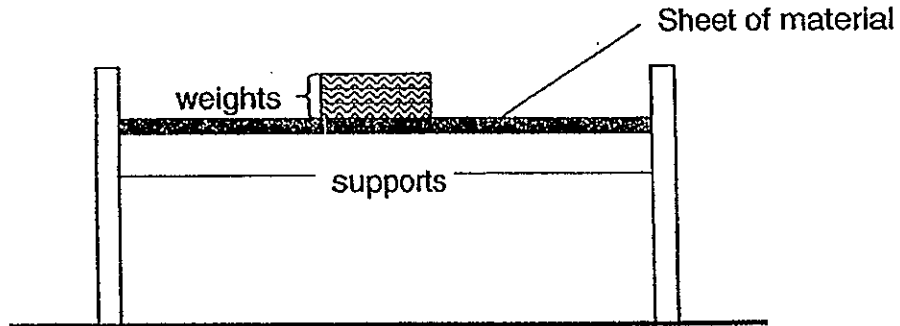
Materials	P	Q	R	S
It is flexible.	Yes	Yes	No	No
It breaks when dropped.	No	No	No	Yes
It is strong.	Yes	No	Yes	Yes

Which material would you use to make a key?

- (1) P
- (2) Q
- (3) R
- (4) S

()

5. Kellan wanted to test the **strength** of four different sheets of materials, **W, X, Y** and **Z**. Each sheet is of the same size and thickness. He placed weights on the materials as shown below and noted the least number of weights needed to make the material break.



Which of the following must he follow to make sure that his experiment is a fair one?

- A: He must use weights of different sizes.
- B: He must use weights of different materials.
- C: He must keep the heights of the supports the same.
- D: He must use the supports that are made from the same material.

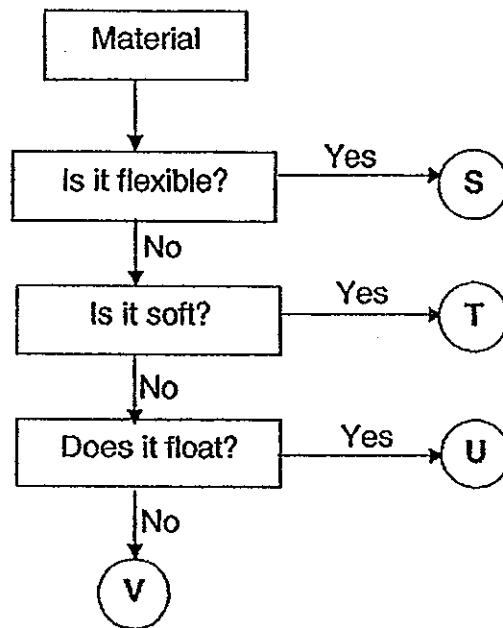
- (1) A only
- (2) A and B only
- (3) C and D only
- (4) B, C and D only.

()

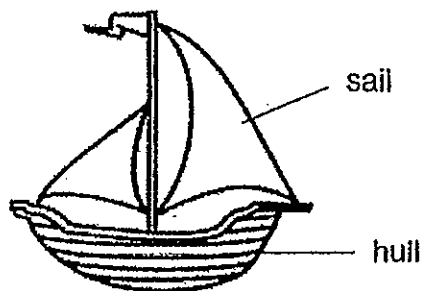
SECTION B: Structured Questions (2X2= 4 marks)

For each question from 6 to 7, write the answers in the spaces provided.

6. The flow chart below shows the characteristics of materials S, T, U and V.



Dylan wants to make a toy boat for his brother to play in the pond.



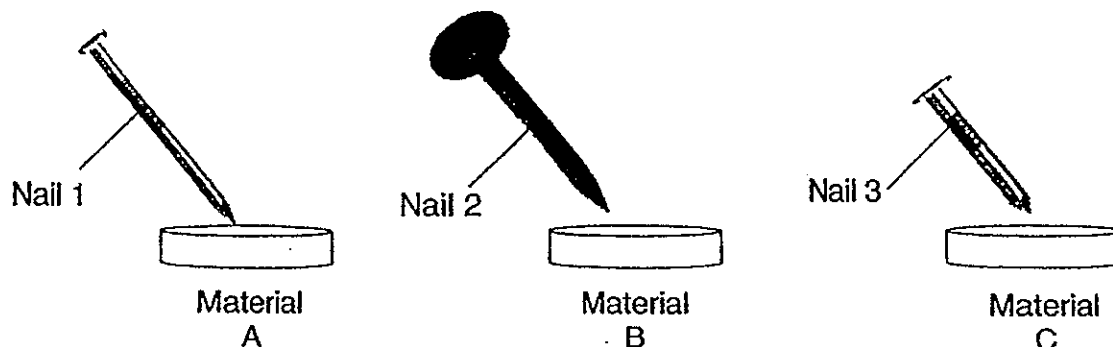
Based on the flow chart above, which material S, T, U or V should the following parts be made of? (2m)

(a) Sail : _____

(b) Hull : _____

7. Leo had 3 materials, A, B and C, of the same size and thickness. He wanted to find out which material is the hardest. He used 3 different types of nails, Nail 1, 2 and 3 to scratch the 3 different materials.

His experimental set-up is shown in the diagrams below.



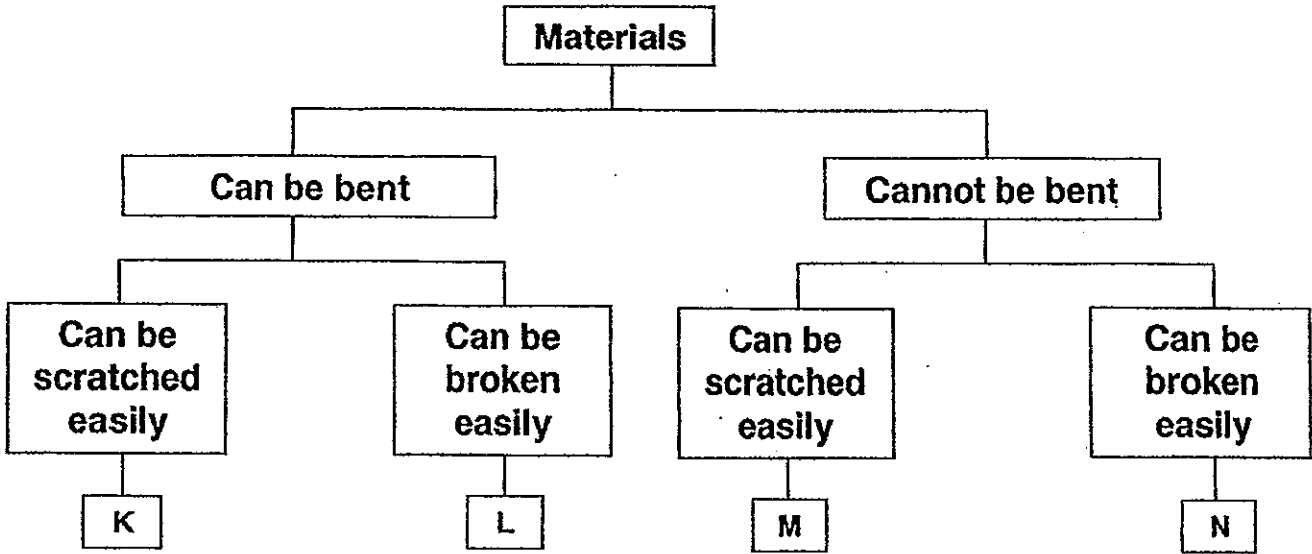
His teacher commented that his experiment was **unfair**.

Which of the statements in the table below explains why his teacher is right?
Put a (✓) tick against the correct statement. (2m)

	Statement	Tick (✓)
(a)	Leo used 3 different nails to scratch the 3 different materials.	
(b)	Leo used 3 different materials to find out which one is the hardest.	
(c)	Leo should use only one nail to scratch all the 3 materials.	
(d)	Leo should use the 3 materials to scratch the 3 nails.	

SECTION C: Open- Ended Questions (6 marks)

8. Ivy conducted several tests on materials **K, L, M** and **N** and recorded the results as shown in the table below.



(a) Which material, **K, L, M** or **N** represents the materials below? (1m)

Rubber : Material _____

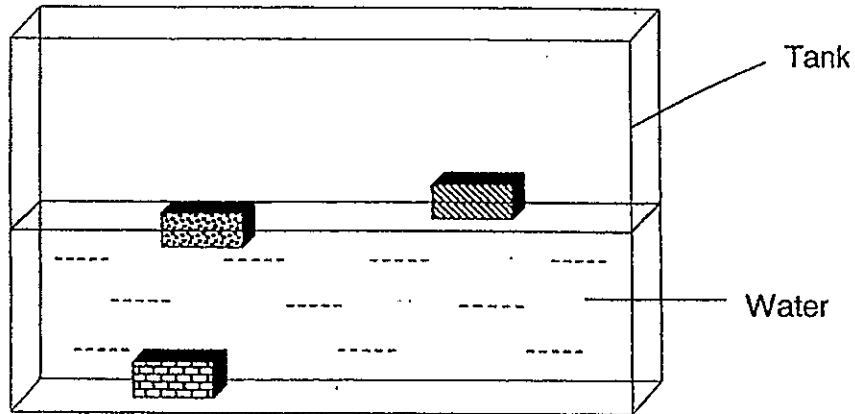
Glass : Material _____

(b) Based on the information given in the above table, state one similarity and difference between **Material L** and **Material N**. (2m)

Similarity: _____

Difference: _____

9. Joel set up the experiment below to find out whether the objects made of 4 different materials will float or sink in water.



- (a) Joel needs a 4th object to compare with the other three. Which one of the 3 objects below should he choose for the experiment? (1m)



Object F



Object G



Object H

Joel should choose Object _____

- (b) Explain your answer in (a). (1m)

- (c) Which other variable he should **keep the same** to conduct a fair test? **CIRCLE** the correct variable from the box below. (1m)

Material of objects	Weights of the objects
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END OF PAPER

Setters: Mdm Faaizah Parwin
Mdm Fathlon Tawfik

ANSWER SHEET

EXAM PAPER 2013

SCHOOL : HENRY PARK PRIMARY SCHOOL

SUBJECT : PRIMARY 3 SCIENCE

TERM : CA1

Q1	Q2	Q3	Q4	Q5
4	4	2	3	3

Section B

Q6

a) Sail: S

b) Hull: U

Q7)

	Statement	Tick
(a)	Leo used 3 different nails to scratch 3 different materials	√
(b)	Leo used 3 different materials to find out which one is the hardest	
(c)	Leo should use only one nail to scratch all the materials	√
(d)	Leo should use the 3 materials to scratch the 3 nails	

Q8

a) Rubber: Material K

Glass: Material N

b) Similarity: Both materials L and N can be broken easily

Difference: Material L can be bent while material N cannot be bent

Q9

a) Object G

b) It is the same size

c) Weight of the objects

