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Nalanda College – Colombo 10

Revelation Test - 2020

Mathematics

Grade - 6

Time : 2 hours

Name : …….. Class :…… Index No :……

- **Answer all the questions on this paper itself.**
- **Each question carries 2 marks.**

Part - I

(1) Name two items in which the circular shape can be observed.

(i) ……..

(ii) ……..

(2) Simplify

(i) 352 + 463 = …….

(ii) 200 - 64 = …….

(3) If the price of 5 oranges is Rs. 45 , what is the price of 8 oranges ?

……..

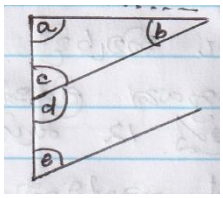
(4) Write down factors of 8

……..

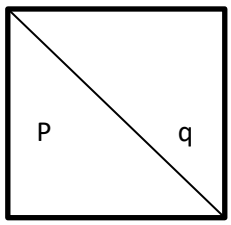
(5) According to the information given in the diagram,

(i) Name a right angle ……..

(ii) Name an obtuse angle ……..



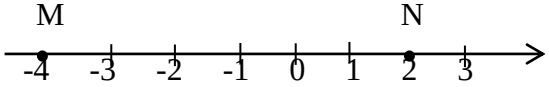
(6) Write the names of the rectilinear plane figures that are given in the following diagram.



(i) P = …….

(ii) q = ……..

(7)



(i) Write the value represented by M

……..……

(ii) From M and N , what is the largest number

……..……

(8) The number of passengers in a bus is rounded off to nearest ten, the value obtained is 30. When one of them got off from the bus, the rounded value obtained is 20. How many passengers were there at the beginning ?

……..

(9) Write down 2 equivalent fractions for $\frac{3}{10}$

(10) Write down the following number in digits.

" Eighteen thousand seven hundred fifty ''

……

(11) Find the perimeter of the figure.

……

(12) Write down whether each of the following expressions states a known constant or an unknown constant.

(i) The number of sides of a triangle. -

……...

(ii) The number of pages of a book -

……

(13) Fill in the blanks using the signs > or <.

(i) $\frac{1}{5}$ …… $\frac{1}{10}$

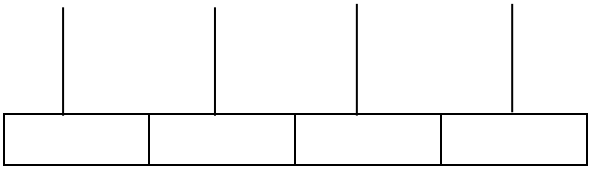
(ii) $\frac{56}{100}$ ……. $\frac{6}{10}$

(14) Find the value when x = 8

(i) x + 5 = ……..

(ii) 12 – x = ……..

(15) Represent 4062 in an abacus.



(16) Mala leaves home at 6.30 a.m. to go to school. It takes 35 minutes for her to reach school. Find the time she arrives at school in standard form

……

(17) Express the times given in terms of the 12 hour clock.

(i) 05 : 30 = …….

(ii) 18 : 40 = ……

(18) Fill in the blanks.

135 seconds = minutes ……..

seconds ……..

(19) Write in ascending order 0.5 , 0.55 , 0.05

……

(20) In the number 6243 , what is the value represent by 2 ,

……

(2 x 20 = 40 marks)

Part - II

- **Use separate papers to write the answers.**
- **Each question carries 12 marks.**

(1) (a) Write the most suitable measuring unit (litres or milliliters) to measure the quantity given in each situation.

(i) Quantity of milk required for a cup of tea …….

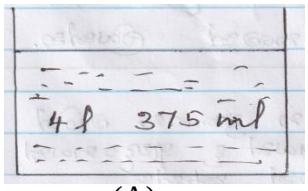
(ii) Quantity of water in a tank. …….

(iii) Quantity of fuel pumped into a vehicle …….

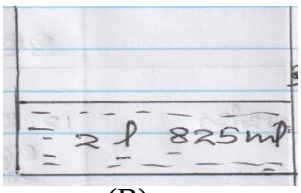
(iv) Quantity of milk given to a child during a meal …….

(02 marks)

(b)



(A)



(B)

(i) Find the total quantity of liquid in both vessels A and B.

……..

(ii) Find the greater quantity of liquid in vessel A than in vessel B

……..

(04 marks)

(c) Students in a class of Grade 6 , brought 2 litres of mixed fruit juice and 750ml of lime juice to make a fruit drink.

(i) What is the amount of mixed fruit juice in millilitres ? (01 marks)

……

(ii) If the fruit drink were made by mixing 4 litres of water with mixed fruit juice and lime juice, express the total quantity of fruit drink made in litres and millilitres. (03 marks)

……

(iii) If one student gets 250 ml of fruit drink, how many students can be served from the total quantity of fruit juice ? (02 marks)

……

(iv) Find the ratio of the amount of mixed fruit juice to the amount of lemon juice in the mixture.

Express this ratio in the simplest form. (02 marks)

……

(2) (a) Express 1 kg of mass in grammes. (01 marks)

……

(b) Fill in the blanks in the table below.

g	kg	g
1 650	(i) …….	650
3 078	(ii) …….	(iii) …….
680	(iv) …….	(v) …….
(vi) …….	2	420

(03 marks)

(c) Information on the items sold by a vender during a certain day is given below in the table.

Item	Quantity sold	Selling price of 1 kg
Rice	20 kg	Rs. 110
Potatoes	6 kg 500 g	Rs. 130
Garlic	5 kg	Rs. 200

(i) What is the mass of garlic sold in grammes ? (01 marks)

……

(ii) What is the total mass of the items which were sold ? (02 marks)

……

(iii) What is the total amount received by the vendor by selling these items during that day ? (05 marks)

……

(3) **Fill in the blanks.**

(i) 45 x 0 = …… (ii) 29 500 ÷ 10 = ……..….

(iii) 82 x 10 = …….. (iv) 396 ÷ 4 = ……..

(v) 0 ÷ 63 = ……. (vi) 56 x 8 = …….

(vii) 2 . 4 + 3 . 8 = ……. (viii) 25 . 56 – 15 . 83 = ……

(ix) 39 ÷ 3 = ……..

(4) (a) (i) Draw a closed plane figure.

(ii) Draw an open figure.

(iii) Draw a rectilinear plane figure.

(iv) Write down two similar characteristics observed in a rectangle and a square. (05 marks)

……

……

(b) Separate the following items into two groups and write a suitable name for each group.

Pen , trousers , eraser , pencil , shirt , book , vest , sarong (04 marks)

……

……

(c) (i) Write the prime numbers between 1 and 10.

……

(ii) What is the smallest composite number. (03 marks)

……

(5) (a) $\boxed{2495300}$

(i) Write the above number in standard form.

……

(ii) Write the number in words.

……

(03 marks)

(b) (i) Write two proper fractions with the denominator 7

……

(ii) Write the simplest fraction for $\frac{6}{24}$

……

(03 marks)

(c) **Simplify**

(i) $\frac{3}{7} + \frac{2}{7}$ (ii) $\frac{5}{11} - \frac{2}{11}$ (iii) $\frac{1}{4} + \frac{3}{8}$ (iv) $\frac{5}{6} + \frac{2}{3}$ (06 marks)

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