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Department of Education, Southern Province

දෙවන වාර පරීක්ෂණය 2023
Second Term Test, 2023

6 ශ්‍රේණිය
Grade 6

MATHEMATICS

පැය දෙකයි
Two hours

Name / Index No :

PART I

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

1. How many $\frac{1}{3}$ s are there in 1 ?

2. Write $\frac{7}{10}$ as decimal number.

3. 74 is a number which is divisible by 5 without remainder. Write a suitable digit for

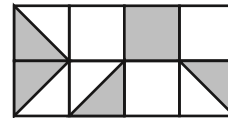
4. What is the place value of 2 of 1.32 ?

5. Write first four multiples of 6

6. Write two factors of 11

7. What is the largest fraction out of $\frac{1}{7}$ and $\frac{1}{15}$?

8. Write the shaded part as a fraction of whole.



9. Round off 87 to the nearest multiple of 10.

10. Write all the ways of writing 20 as product of two whole numbers.

11. Write all the prime numbers between 20 and 30

12.



.....

Draw the next pattern of the pattern given.

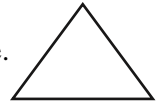
13. Fill in the blanks using $>$, $<$, $=$

0.7 0.72

14. If the following statements are true place "✓" and if the statements are false place "x"

- i 39 is a prime number ()
- ii All the square numbers are composite numbers. ()

15. The perimeter of this figure with all 3 sides equal is 30 cm. Find the length of one side.



16. How many 100g in 1kg ?

17. Write two integers suitable for the blank. $-3 < \square$

18. The duration of a song is 3 minutes and 18 seconds. Express this time in seconds.

19. Write the 15th square number.

20. The price of a pen is Rs. 43. There are 47 students are in the class. Find the amount of money required to gift a pen to all the children.

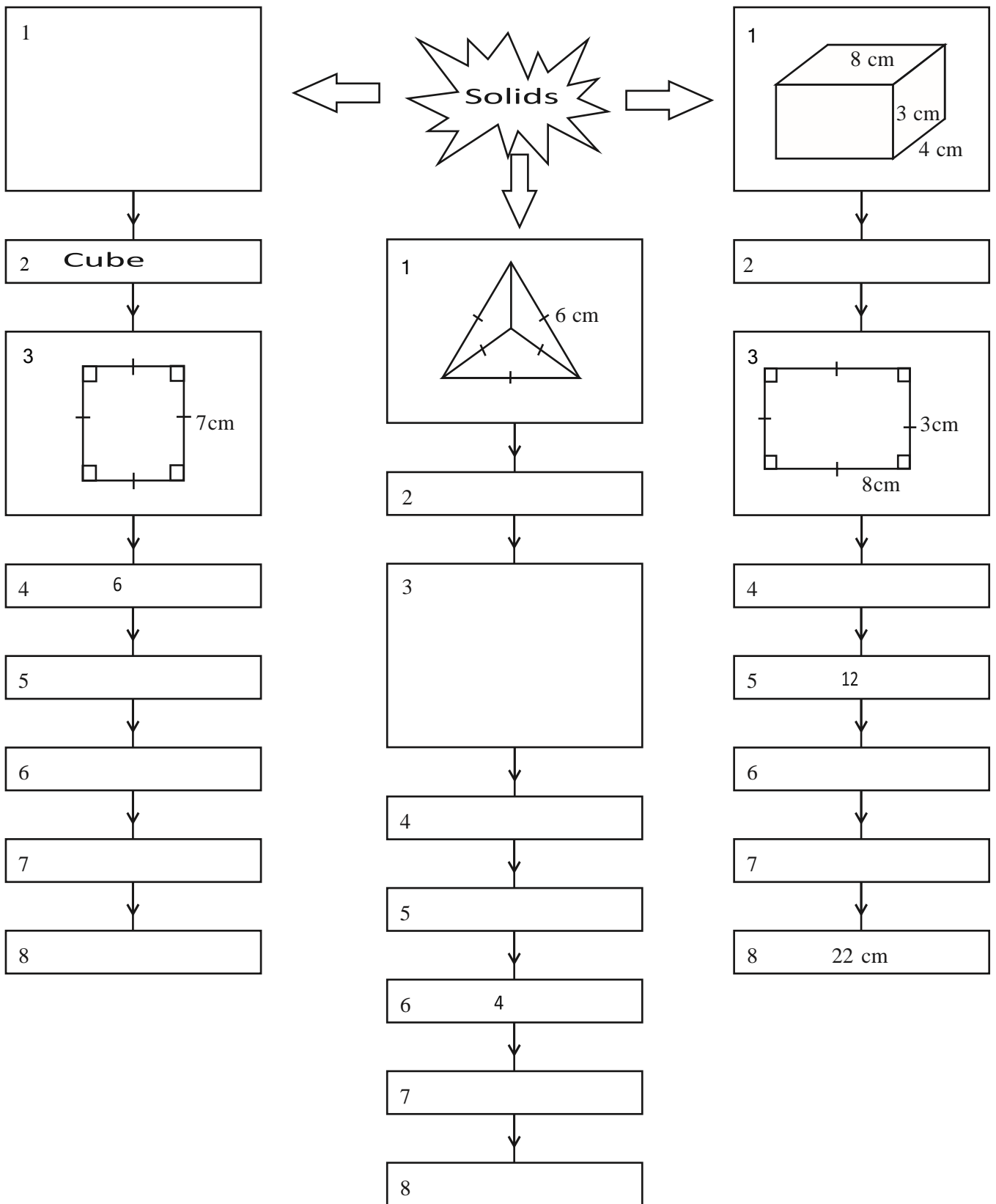
PART II

- Write the answers for the first question and another four questions
- 16 marks for the first question and 11 marks for other questions.

1.
 - First observe the following diagram properly.
 - Fill in the blanks according to the number given in that diagram by using the instructions given below.
 - 1) Draw a figure of the solid.
 - 2) Name of the solid.
 - 3) Draw the shape of a face.
 - 4) Write the number of faces.
 - 5) Write the number of edges.
 - 6) Write the number of vertices.
 - 7) Example for the solids with same shape.
 - 8) Find the perimeter of a face.

[2 marks for (1) and 1 mark for other boxes]

Answer the above questions by recalling the school -based assessment tool you did in the lesson solid objects in the classroom.



2. Choose the answers to the problems in the boxes from the answers given in the circles. Place the corresponding letter in the circles in front of the boxes.

1) There are 5 red balls and 4 blue balls. Number of red balls as a fraction of the total number of balls. H

6) $\frac{8}{17} \dots\dots \frac{3}{17}$
Place <, > or =

2) $\frac{10}{15} - \frac{8}{15}$

7) $\frac{2}{4} + \frac{3}{8}$

3) $\frac{2}{22} \dots\dots \frac{1}{11}$
Place <, > or =

8) $\frac{3}{11} + \frac{4}{11}$

4) Equivalent fraction to $\frac{2}{5}$ with numerator 8

9) $\frac{1}{12} - \frac{3}{4}$

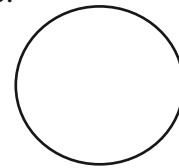
5) $\frac{1}{2} \dots\dots \frac{3}{4}$
Place <, > or =

10) Equivalent fraction to $\frac{2}{3}$ with denominator 15

- A $\frac{8}{20}$ B $\frac{7}{8}$ C > D < E =
 F $\frac{1}{12}$ G $\frac{7}{11}$ H $\frac{5}{9}$ I $\frac{2}{15}$ J $\frac{10}{15}$

(b) Mark the information mentioned in the table below in the given figure.

Location	Point
On the circle	A
In the circle	B
Outside the circle	C



3. (a) 505320004

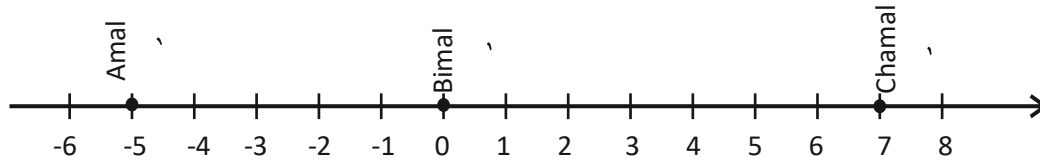
- i) Write in standard form.
 ii) Write in words
 iii) Write the, I) Position
 II) Place value
 III) Represented value of 2
- of the above number.

(b) Fill in the blanks.

- i) $2\,750 \times 100 = \dots\dots\dots$
- ii) $3\,275 \times 10 = \dots\dots\dots$
- iii) $23\,000 \div 1000 = \dots\dots\dots$
- iv) $3627 \div 9 = \dots\dots\dots$

(c) The number of students in a class when rounded off to the nearest 10 is 50. Write all possible values for the number of students in the class.

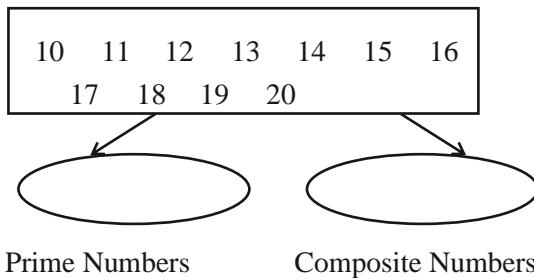
4. (a)



Following number line drawn on the floor of a Maths lab shows how Amal, Bimal and chamal are standing on certain places.

- i Teacher asks Dasitha to stand on (-3). Mark it on the number line
- ii Who is standing on the highest value?
- iii Who is standing on the lowest value?
- iv Write all negative integers between Dasitha and Chamal

(b)

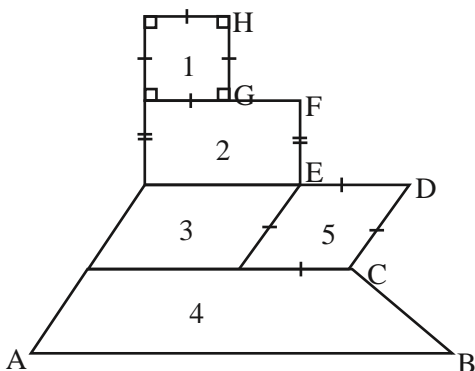


Separate the above numbers into the given closed figures.

(c) Fill in the blanks.

- i) $2\text{ km } 750\text{ m} = \dots\dots\dots\text{m}$
- ii) $3050\text{ m} = \dots\dots\dots\text{km } \dots\dots\dots\text{m}$
- iii) $1025\text{ cm} = \dots\dots\dots\text{m } \dots\dots\dots\text{cm}$

5. (a) Complete the table using given information.



Plane figure	Name	Type of the angles in the figure
1	Square	Right angles
2
3
4
5

(b) The above images are drawn on a flat surface. A student walks along the lines indicated as A to B, B to C etc. Complete the table below according to the direction he travelled.

Route he walks	Direction
A to B	East
B to C
C to D
D to E
E to F
F to G
G to H

6. (a)

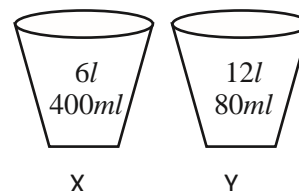
A	B	C
0.26	4.53	15.3

- i Write the decimal mentioned on A in words
- ii Represent the decimal mentioned on B in the abacus.
- iii Add the decimal mentioned on A and B
- iv Subtract the decimal mentioned on B from that of C
- v Fill in the blanks with suitable signs. ($<$, $>$)
BC



(b) There is water in the two vessels X and Y

- i Express the amount of water in X in *ml*
- ii Express the amount of water in Y in *ml*
- iii What is the excess amount in Y than X ?
- iv What is the total amount In X and Y?



6.

- i What is the even prime number ?
- ii What is the 14th multiple of 5 ?
- iii What is the 7th triangular number ?
- iv What is the 6th square number ?
- v What is the largest number less than 100, which is divisible by both 5 and 10 ?
- vi The number of marbles in a box is a multiple 7, when rounded off the number of marbles to the nearest 10 is 80. What can be the maximum number of marbles in the box ?