



Second Term Test 2018

Grade 6

MATHEMATICS

Time : 2 hours

Name / Index No. _____

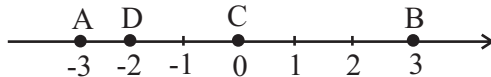
Part I

- Answer all the questions on the paper it self.
- Each question carries 02 marks.

01. Write down the Value represented by 7 in 5073.

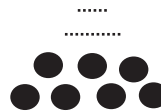
02. Fill in blanks with the suitable number from 5 and (-3). (i) $2 < \dots$ (ii) $0 > \dots$

03. Write down the numbers marked on the number line, in ascending order. Using A, B, C and D.



04. When rounding off the number of pencils in the box to the nearest multiple of ten, it was 30. Find the number of minimum pencils that can be in the box.

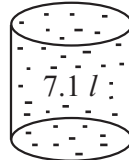
05. Complete the figure given here in the frangula formation and find the triangular number represented by it.



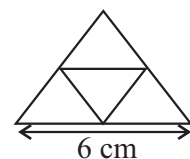
06. The maths paper which was begun at 10.30 a.m. Ended at 1.30 p.m. Write down the end time according to the 24 hour clock.

07. Evaluate, $\frac{3}{11} + \frac{2}{11}$

08. Write down the volume in the tub in *ml*.



09. What is the length of an edge of the model of a regular tetrahedron that can be made using the net given in the figure.



10. Achini had Rs. 50.50. If she bought a book for Rs. 25.75 from this money. Find out the remaining amount.

11. Simplify and write down the answer in decimal form, $7 \times 1 + 5 \times \frac{1}{10} + 4 \times \frac{1}{100}$

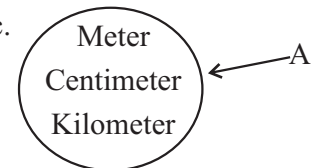
12. Write down the 5th square number in the square number pattern given below. 1, 4, 9

13. Evaluate, $\frac{3}{5} - \frac{1}{10}$

14. Write down the minimum number, which is a multiple of 2, 3 and 4.

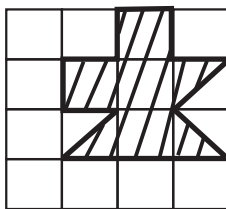
15. What are the suitable numbers for the ones place the numbers which are divisible by 5.

16. Propose a suitable name for group A based on the common characteristic.

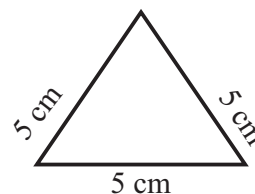


17. Write down the smallest number from following decimals,
0.52, 0.70, 0.49

18. If,  = 1 cm², find out the area of shaded part in cm².



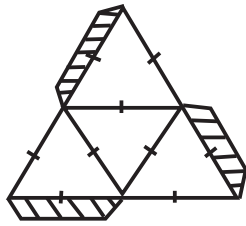
19. Write down special geometric name for the given figure.



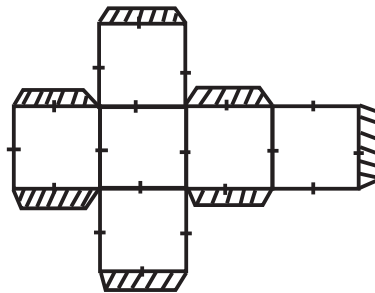
20. Write "Two million eighty nine" in standard form.

- Answer 1st question and 4 other questions.
- 16 marks are give for 1st questions and 11 marks for other questions.

01. The following figures show two nets of a certain solids, which has made in the classroom.

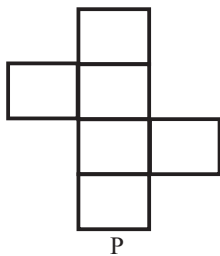


(X)

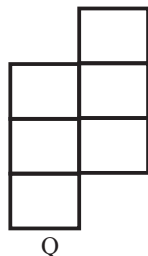


(Y)

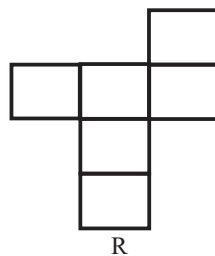
- (a) (i) What are the solids that can be made by using above nets X and Y? (02M.)
- (ii) What is the purpose of the shaded parts of the above figures? (02M.)
- (iii) Write the number of faces, edges and vertices of the solid X, respectively. (03M.)
- (iv) Draw an another different net to make the solid X. (02M.)
- (b) (i) Write the number of faces, edges and vertices of the solid Y, respectively. (03M.)
- (ii) From the following figures. Select the nets that can be used to create the solid Y and write down the letters of them. (04M.)



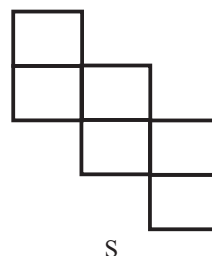
P



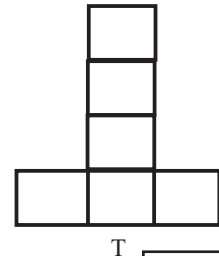
Q



R



S

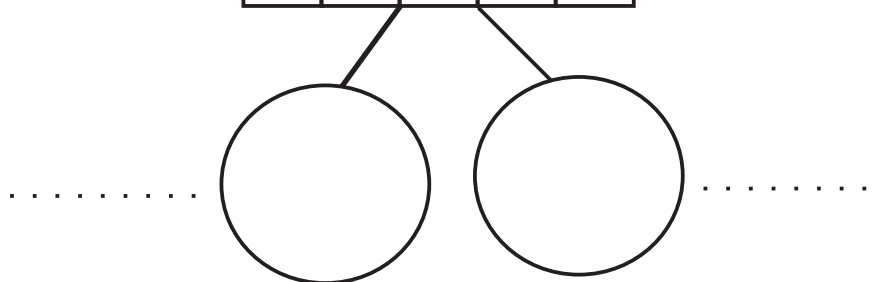


T

16M.

02. (i) Copy down the following figure on your answer paper. Seperate the following numbers based on there common Characteristics and write them in to the given two groups. Write down suitable name for each group.

2	3	4	5	6
7	8	9	10	11
12	13	14	15	16

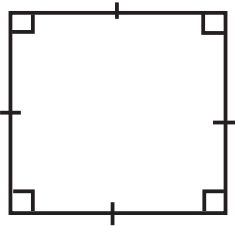


(04M.)

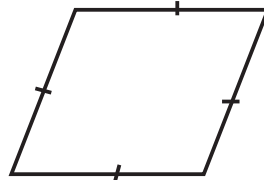
- (ii) Using the above table,
 (a) Write down all the triangular numbers. (02M.)
 (b) Write down all the prime numbers. (02M.)
 (c) Write down all the square numbers. (02M.)
 (iii) When you add two odd numbers together. Will the answer be an odd number or an even number? (01M.)

11M.

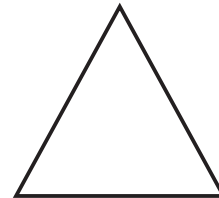
03. (a) (i) Write down the suitable special names for given figures X, Y and Z.



X



Y



Z

(03M.)

- (ii) Draw a rough sketch of a trapezium and write down a feature of it. (02M.)

- (b) (i) Find the perimeter of the figure.

5cm 3mm



10 cm 4mm

(02M.)

- (ii) Samadhi has 1½m of red ribbon, 75cm of blue ribbon and 1m 45cm of green ribbon. What is the color of the longest ribbon she has? (02M.)

- (iii) Express 1.35m in cm? (02M.)

11M.

04. (i) Write down the shaded part as a fraction. (02M.)



(02M.)

- (ii) Write down two unit fractions.

- (iii) Write down relevant values in the boxes.

$$\frac{2}{5} = \frac{2 \times \boxed{}}{5 \times 3} = \frac{\boxed{}}{\boxed{}}$$

(03M.)

- (iv) Fill in the blanks by inserting the one of the symbols. >, <, = appropriately.

(a) $\frac{1}{5}$ $\frac{3}{5}$

(b) $\frac{2}{7}$ $\frac{2}{9}$

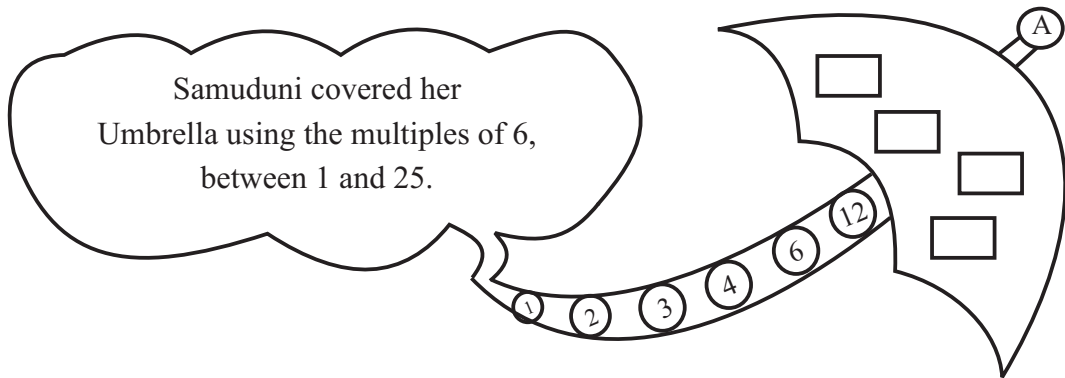
(c) $\frac{2}{3}$ $\frac{4}{6}$

(d) $\frac{1}{2}$ $\frac{3}{4}$

(04M.)

11M.

05. (a)



Samuduni covered her Umbrella using the multiples of 6, between 1 and 25.

- (i) Write down all the numbers which she used to cover the Umbrella? (02M.)
 - (ii) She used all the factors of a number which is between 1 and 25 to the umbrella holder and wrote them as figure. What is the number which she used to write the factors. (02M.)
 - (iii) She insert the largest number which is less than 25 and divided by 5, to the point **(A)** What is that number? (02M.)
 - (iv) Write down all the factors of 19. (02M.)
- (b) There are 20 books and it should be wrapped as follows. There should be an equal numbers of books in every parcell or in one parcell. How many ways are there to wrap these 20 books. (03M.)

11M.

06. (i) Write down 2.32 in words. (02M.)

(ii) Write down each fraction below, in decimal form,

(a) $\frac{7}{10} =$

(b) $\frac{11}{100} =$

(c) $\frac{2}{5} =$

(03M.)

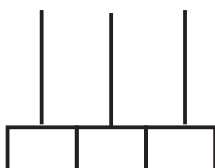
(iii) Evaluate,

$$\begin{array}{r} 4.7 \\ + 3.5 \\ \hline \\ \hline \end{array}$$

(02M.)

(iv) Represent each of the number below on an abacus.

(i) 12.3



(ii) 4.21

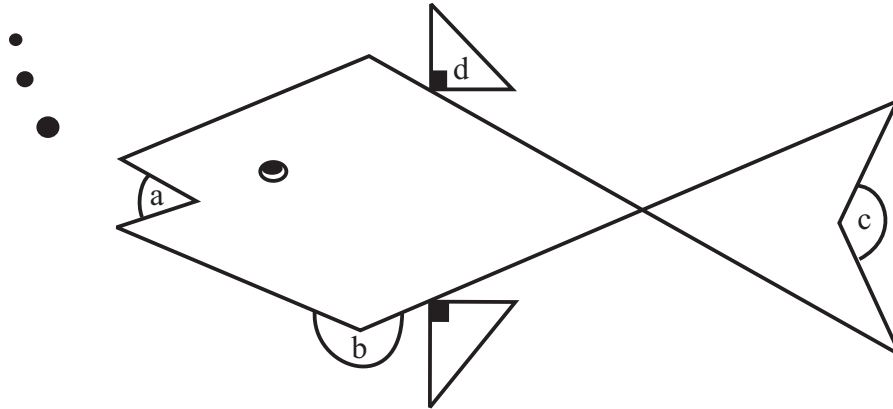


(04M.)

11M.

07. (a)

Shehan drew a fish, which was in his fish tank using the footruler. His sister Dewmi who is studing in grade 6 said that "Brother our teacher tought us today the lesson Angles" and she marked 4 angles as a, b, c, d on the figure as below.



Write the suitable letters within brackets which Dewmi has marked on the figure.



- (i) acute angle ()
 - (ii) right angle ()
 - (iii) Obtuse angle () (04M.)
- (b) Jayani started her way at X and went 25m to east and stopped at Y. Then again she went another 25m to northeast and stopped at Z.
- (i) Draw a rough diagram for above details. (02M.)
 - (ii) In which direction is Y from Z. (02M.)
 - (iii) Write down the name of the instrument which is used to find the directions correctly. (01M.)
- (c) 2 l of water can be filled in to a certain water bottle. If the bottle contains 1 l and 75 ml of water at present, how much more water is required to fill the bottle completely. (02M.)

11M.

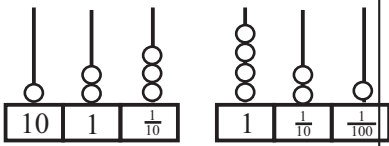
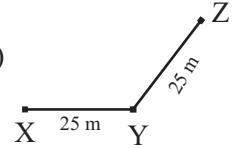
Answer Sheet

Part I

Part II

01.	70		02	01.	(a) (i) Equal tetrahedron	01	
02.	(i) $2 < 5$ (ii) $0 > -3$	1+1	02		Cubic	01	02
03.	$A < D < C < B$		02		(ii) for past or e. c. t.	02	02
04.	25		02		(iii) 4	01	
05.	 10	1+1	02		4	01	
06.	13 : 30		02		4	01	
07.	$\frac{5}{11}$		02		6	01	
08.	7100 ml		02		(iv) 	02	02
09.	3 cm		02		(b) (i) 6		09
10.	$\begin{array}{r} 50.50 \\ 25.75 \\ \hline \text{Rs. } 24.75 \end{array}$		02		8	01	
11.	$7 + 0.5 + 0.04 = 7.54$		02		12	01	03
12.	$5^2 = 25$		02		(ii) P	01	
13.	$\frac{5}{10}$ or $\frac{1}{2}$		02		R	01	
14.	12		02		S	01	
15.	0 and 5	01+01	02		T	01	04
16.	Units of length		02				07
17.	0.49		02				16
18.	$5 \cdot 5 \text{ cm}^2$		02	02.	(i) for suitable 2 groups	2x2	04
19.	equilateral triangle		02		(ii) (a) 3, 6, 10, 15	02	02
20.	2 0 0 0 0 8 9		02		(b) 2, 3, 5, 7, 11, 13	02	02
			02		(c) 4, 9, 16	02	02
			02		(ii) A even number	01	01
			02				<u>11</u>
			02	03.	(a) (i) Square	01	
			02		Rhombus	01	
			02		Triangle	01	03
			02		(ii) For the figure	01	
			02		suitable answer	01	02
			<u>40</u>				<u>05</u>

Answer Sheet

03.	<p>(b) (i) <table style="display: inline-table; border-collapse: collapse; margin-right: 20px;"> <tr><td>cm</td><td>mm</td></tr> <tr><td>10</td><td>4</td></tr> <tr><td>10</td><td>4</td></tr> <tr><td>5</td><td>3</td></tr> <tr><td>+ 5</td><td>3</td></tr> <tr style="border-top: 1px solid black;"><td>31</td><td>4</td></tr> </table></p> <p>(ii) Red</p> <p>(iii) 135 cm</p>	cm	mm	10	4	10	4	5	3	+ 5	3	31	4	02	02		<p>06.</p>	<p>(i) Two point three two</p> <p>(ii) a. 0.7</p> <p>b. 0.11</p> <p>c. 0.4</p> <p>(iii) 8.2</p> 	02
cm	mm																		
10	4																		
10	4																		
5	3																		
+ 5	3																		
31	4																		
04.	<p>(i) $\frac{1}{4}$</p> <p>(ii) Any tow fractions</p> <p>(iii) $\frac{2 \times \boxed{3}}{5 \times 3} = \frac{\boxed{6}}{\boxed{15}}$</p> <p>(iv) (a) <</p> <p>(b) ></p> <p>(c) =</p> <p>(d) <</p>	02	02	03	<p>07.</p>	<p>(a) (i) a</p> <p>(ii) d</p> <p>(iii) c</p> <p>(iv) b</p> <p>(b) (i)</p>  <p>XY c. 01</p> <p>YZ c. 01</p> <p>(ii) North East</p> <p>(iii) Compass</p> <p>(c)</p> <table style="display: inline-table; border-collapse: collapse; margin-right: 20px;"> <tr><td><i>l</i></td><td><i>ml</i></td></tr> <tr><td>2</td><td>000</td></tr> <tr><td>-1</td><td>075</td></tr> <tr style="border-top: 1px solid black;"><td>0</td><td>925</td></tr> </table> <p>925 ml</p>	<i>l</i>	<i>ml</i>	2	000	-1	075	0	925	01				
<i>l</i>	<i>ml</i>																		
2	000																		
-1	075																		
0	925																		
05.	<p>(a) (i) 6, 12, 18, 24</p> <p>(ii) 12</p> <p>(iii) 20</p> <p>(iv) 1, 19</p> <p>(b) 1 x 20</p> <p>2 x 10</p> <p>4 x 5</p> <p>5 x 4</p> <p>10 x 2</p> <p>20 x 1</p> <p style="text-align: center;">or suitable answer</p>	02	02	02	<p>04</p> <p>02</p> <p>01</p> <p>05</p> <p>02</p> <p>02</p> <p>02</p>	04													
		03	03	03			04												
				11			11												