

## Second Term Test - 2024

English Medium

ගණිතය I  
Mathematics I

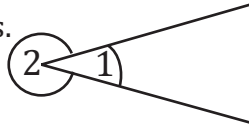
Grade 7

කාලය : පැය 02  
Time : 02 hours

Answer all the questions.

(02marks× 20)

01. Write the types of the given angles.

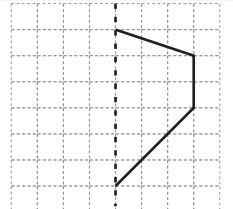


1. ....

2. ....

02. Find the **H.C.F** of 18 and 24

03. Complete the following figure to obtain a bilateral symmetrical figure.



04. Simplify:  $150 \div (5 + 7 - 2)$

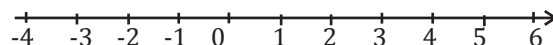
05. Construct a straight line segment which is parallel to **AB** and name it as **CD**.



06. Find the digital index of the number 2 024 727.

07.  $A = \{\text{The square number between 0 and 26}\}$ , Represent the set **A** as a list of elements.

08. Find the value of  $(+4) + (-2)$  using the given number.



09. Find the L.C.M. of 4, 18 and 16.

10. Write the day in standard form. “1<sup>st</sup> of February 2020”.

11. Select and underline the numbers which are divisible by 6.

1. 578

2. 678

3. 990

4. 1012

12. Find the value of  $2x^3y$ , when  $x=2$ ,  $y=3$ ,

13. Simplify

	years	months	days
	1	08	19
+		04	21
	<hr/>		

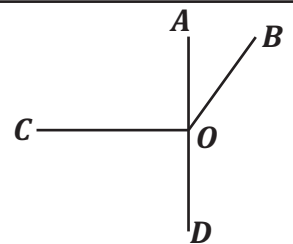
14. Simplify:  $8 + (-3) + (-5)$

15. "2024 AD is not a leap year", Is this statement true? Give reasons.

16. Name an acute angle and right angle.

(i) Acute angle -

(ii) Right angle -



17. Fill in the blanks.

$$140 = \square \times \square \times \square \times \square$$
$$= \square^2 \times \square \times \square$$

18. Simplify:  $\frac{3}{4} + \frac{1}{2}$

19. Sithumini's date of birth is 22<sup>nd</sup> January 2012. Kaveesha is younger than 'Sithumini' by 23 days. Find Kaveesha's date of birth.

20. How many axis of symmetry are there in an equilateral triangle?

**Answer only 5 questions.**

01. (i) Convert  $6\frac{1}{5}$  an improper fraction.

(ii) Arrange the following fractions in ascending order.

$$\frac{7}{18}, \frac{5}{6}, \frac{2}{9}, \frac{1}{3}$$

(iii) Find the value :  $5\frac{1}{6} + 3\frac{2}{3}$

(iv) Simplify :  $7 - 3\frac{1}{7}$

02. (i) Construct a square of side length 4cm, using the parallel lines and name it as **ABCD**.

(ii) Join **B** and **D**.

(iii) Measure the magnitude of  $\hat{BDC}$  using a protractor and write it.

(iv) Name according to the lengths of the sides, the triangle **ABD**.

03. (a) Find the value

(i)  $0.1234 \times 100$

(ii)  $56.38 \div 10$

(iii)  $1.357 \times 41$

(iv)  $182.35 \div 7$

(b) Express 1.625 as a fraction and write it in simplest form.

04. (a) Find the value using the number line.  $(+3) + (-3)$

(b) It is 1250m from Saduni's house to Grand mother's house.

(i) Write the distance in **km** and **m**.

(ii) Find the distance that Saduni has to travel to her grandmother's house and back in a day.

(iii) If Saduni's goes to her grandmother's house once a day for 3 days and come back, find the distance traveled by her in **km** and **m**.

05. (a) Find the value of  $2x + 3y$ , when  $x=3$  and  $y=2$ .

(b) The money that sister has is Rs. 500 more than that the brother. If brother has Rs.  $x$ .

(i) Find the money that sister has in term of  $x$ .

(ii) Find the total amount which both sister and brother have in term of  $x$ .

(iii) If the total amount is Rs. 1500, construct an equation.

(iv) Solve the equation and find the value of  $x$ , then find the money that sister has.

06. (a) Ishara bought 2 kg cake to distribute amount her friends for her birthday. 500g was reserved for friends from other classes and the rest(remaining) was distributed to her class.

(i) Find the mass of cake distributed to the her class.

(ii) If there are 25 classmates find the mass of each piece of cake.

(b) A dance troupe of 15 children in a drill requires 22 m 50cm of red cloth.

(i) Find the amount of cloth per child.

(ii) If 23m of cloth were brought, find the remaining.

(iii) If one new child joins, how much more cloth should be added to 23m.

07. (a) (i) Name two regular polygons.

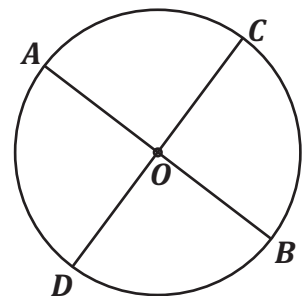
(ii) If the perimeter of a regular polygon of side length  $x$  is  $P$ . Construct a formula for  $P$ .

(b) Do the following for the circle shown in the figure.

(i) Name a radius -

(ii) Name a diameter -

(iii) Name the centre of the circle.



(c) Find the area of the figure.

