Name -	Part - 1	Answer all the questions from 1 to 20 on this paper itself.

1) Draw all the axes of symmetry in the equilateral triangle.

2) List out the elements of the set.

$A = \{$ Digits of the number $27672 \}$

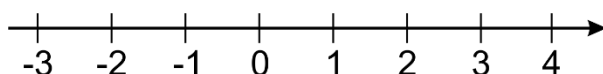3) Accurate value of $6 + 4 \times 3$ is,

$i)$ 30 $ii)$ 18 $iii)$ 22 $iv)$ 13

4) Find the digital index of 20208.

5) $64\boxed{}$ is a 3 digit number which is divisible by 4. Write 2 digits suitable for the empty box.

6) Find the Highest Common Factor of 18 , 12 .

7) Simplify $(+3) + (-1)$ by using the number line.
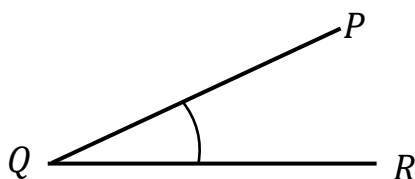

8) Select the leap year and write the century that it belongs to.

1943 , 2006 , 1996   Leap year -

     Century -

9) Name the angle given in the figure and write the type of that angle.

Angle -

Type of the angle -

10) Express 0.7 as a fraction.

11) Find the value. $3\frac{2}{3} - 1\frac{1}{6}$

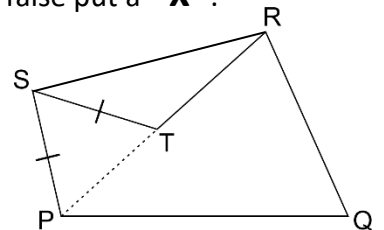12) Solve the following equation. $3x = 27$

13) Select the answer suitable for Group A from Group B and match.

A	B
125 cm	1m 25cm
125 cm	
1.25 m	12 cm 5 mm
12.5 m	

14) The price of a loaf of a bread in a canteen is Rs. p. Write the total amount that a person should pay for 2 loaves of bread and a dhal curry which costs Rs. 30 as an algebraic expression.

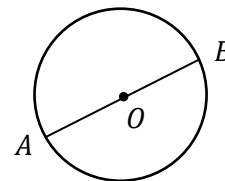15) According to the figure, if the statement given is true put a " ✓ " or if it is false put a " ✗ ".

      i) $PQRTS$ is a concave polygon.   (   )
      ii) PQR is an obtuse angled triangle. (   )
      iii) SPT is an equilateral triangle.   (   )
      iv) $PQRST$ is a regular polygon.   (   )

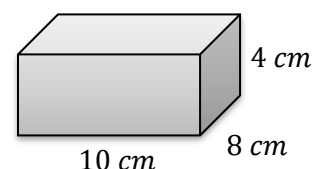16) Answer according to the figure given.

      Diameter -

      Centre -

17) Simplify 4.246×100

18) From a tank, $6l$ $250ml$ of water is leaking within 1 minute. After 10 minutes, there was no water in the tank. Find the total volume of water in the tank at the beginning.

19) Draw a circle around all the factors of 26.

    1 , 6 , 2 , 13 ,4 , 8 ,26

20) Find the volume of a cuboidal shape box with a length, breadth and height of $10cm$, 8 cm and 4 cm respectively.

4 cm

10 cm 8 cm

Part - 11

- Answer the first question and another four questions.
- First question carries 16 marks an d the others carry 11 marks each.
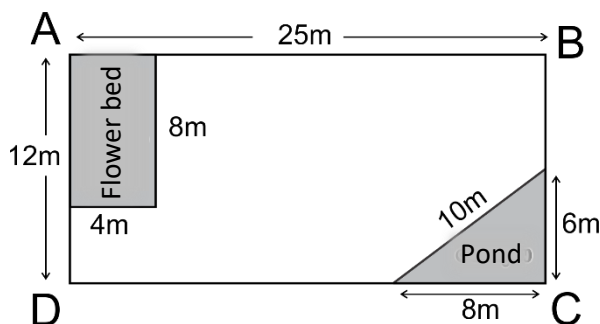
1) (a) Recall the activity you did in the lesson "Circles".

    i.   Which instrument is used to draw circles in that lesson. (1 mark)

    ii.   By using that instrument, draw a circle with a radius of $4cm$. (2 marks)

    iii.   Name the centre as O and mark any point on the circle as X. (2 marks)

    iv.   Join X and O and produce it until it meets the circle at Y. (2 marks)

(b) Recall the activity you did in the lesson "Straight lines"

    i.   Name 2 instruments that you used to draw parallel lines. (2 marks)

    ii.   In the same figure above in part (a), draw a parallel line to XY which is $2.5cm$ away from XY. (3 marks)

    iii.   Name the points that it meets the circle as A and B. (2 marks)

    iv.   Measure and write the length of AB. (2 marks)

2) The following shows a rough sketch of a flower bed and a pond in a rectangular shaped park. Grass is grown in the remaining area.

    i.   Find the perimeter of the park $ABCD$. (3 marks)

    ii.   Find the area of the flower bed. (3 marks)

    iii.   Find the perimeter of the pond. (3 marks)

    iv.   It is decided to build a fence around the pond. 3 strands of wire are needed for that. Find the length of the wire needed. (2 marks)

3) i. $4250g$; Express in grams and milligrams. (1 mark)

    ii. Add. (2 marks)

$$
\begin{array}{rr}
g & mg \\
15 & 270 \\
+\ 35 & 820 \\
\hline
\end{array}
$$

    iii. From $1kg\ 900g$ of flour, some amount of flour was used to make roti. $270g$ of flour was remained after that. Find the amount of flour used to prepare roti. (2 marks)

    iv. Multiply. $6kg\ 675g\ \times 12$ (3 marks)

    v. Divide. $18kg\ 500g\ \div 4$ (3 marks)

4) (a) i. $2xy^2$; Expand and write. (1 mark)

    ii. If $x = 2$ and $y = 3$, find the value of $2xy^2$. (2 marks)

    iii. Write 64, in index form with the base 4. (2 marks)

  (b) The price of a book is three times the price of a pen. Pathum has spent Rs. 60 to buy a book and a pen. If the price of a pen is Rs. x,

    i. Write the price of a book in terms of x . (1 mark)

    ii. Write the amount of money needed to buy a book and a pen as an algebraic expression.

(2 marks)

    iii. Build an equation and solve it to find the price of a pen and a book. (3 marks)

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5) (a) i. Express $1\frac{3}{4}$ as an improper fraction. (1 mark)

    ii. Select and write the large fraction. $\frac{4}{5}$, $\frac{4}{9}$ (2 marks)

    iii. Kamal start his journey to the school from his home and travels $1\frac{1}{2} km$ by bicycle, and the remaining $3\frac{1}{2} km$ by bus. Find the distance to the school from Kamal's home. (2 marks)

  (b) Find the value.

    i. 3.04×3 (2 marks)

    ii. $20.52 \div 4$ (2 marks)

    iii. $0.0025 \div 100$ (2 marks)

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6) (a) Simplify.

    i. $(+5) + (+3)$ (2 marks)

    ii. $(-8) + (-1)$ (2 marks)

    iii. $\left(-\frac{4}{8}\right) + \left(+\frac{3}{8}\right)$ (2 marks)

  (b) If $B = \{$ Square numbers between 10 and $50 \}$

    i.   List out the elements of the set B. (2 marks)

    ii.   Represent it in a venn diagram. (3 marks)

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7) (a) i. Write 18 and 24 as a product of prime factors. (4 marks)

    ii. Find the L.C.M of 18 and 24. (2 marks)

  (b) i. Add. (2 marks)

$$
\begin{array}{cc}
Months & Days \\
8 & 18 \\
+ \quad 2 & 17 \\
\hline
\end{array}
$$

    ii. Nimantha left abroad for education on 2012-04-26 from Sri Lanka. On 2017-02-21 he returned to Sri Lanka. How long did he stay in abroad? (3 marks)