

6) Th mi	e mass of a medicinal tablet is 175mg. Express the mass of 12 such tablets in lligrammes.
7) Sit	huli's date of birth is 2012-03-18.Find her age on 2024-08-05in years, months and days.
8) Fil	l in the blanks.
(i)	$4.3 \times 10 = \dots$ (ii) $0.43 \div 100 = \dots$
9) Th	e area of a rectangular metalic sheet is84cm ² . If its breadth is 7cm then find its length.
10) Th A,	 e centre of the circle given in the figure is O. Letters B, C indicate three positions on the circle. (i) What type of a triangle is ABO, when considering the side lengths of the triangle. (ii) Name an obtuse angled triangle in this figure.
11) Ho	w many times should water be poured from the container B to fill the container A mpletely? $ \begin{array}{c c} 3l \\ \hline A \\ \end{array} $ B
12) In W	the algebraic expression $\frac{x}{2}$ + 7 rite down, (i) The number of terms
13) P =	(ii) The coefficient of <i>x</i>



<u>Part II</u>

• Answer all questions.



(3) Using the straight edge and the pair of compasses,	
(i) Draw a circle of radius 5cm and name its centre as O.	(2 marks)
(ii) Draw a horizontal line through the point O and name the intersecting po	oints of the line
and the circle as P and Q.	(2 marks)
(iii) Write down the name used to define PQ. Measure the length of PQ at	nd write it down.
	(2 marks)
(iv) What is the relationship between the line OQ and the line PQ?	
(v) Mark the point R on the circle vertically above the centre O.	(1 mark)
(vi) Join PR and QR.	(1 mark)
(vii) Measure and write down the magnitude of the angle $P\hat{R}Q$.	(1 mark)
(4) (a) Simplify the following algebraic expressions. (i) $4a + b - a + 3b$	(2 marks)
(ii) $5p - 3q + 7q + 1 + 3p + 6$	(2 marks)
(b) (i)Write down an expression using algebraic terms to express the perimeter of	the following
figure and simplify it.	(3 marks)
4x + 5 $x + $ $3y - 1 =$	
(ii) Substitute x=5cm and y =3cm in the above algebraic expression y	ou obtained and
find the perimeter of the figure.	(3 marks)

- (5) (a) Chaturi has Rs. x. When Rs. 8 is subtracted from twice of that money, the amount obtained is Rs. 142.
 - (i) Construct a simple equation to represent the above expression. (2 marks)
 - (ii) Solve the equation and find the amount of money that Chathuri had. (3 marks)

(b) A fruit drink was prepared by adding 6l 350ml of water to 4l 450ml of fruit juice.

- (i) Find the total amount of fruit drink that was prepared.
- (ii) The fruit drink was poured in equal quantities into 8 bottles. While filling the bottles,800*ml* from the total quantity was wasted. If the remaining amount was poured inequal quantities into 8 bottles, find the quantity of fruit drink that a bottle contains.

(3 marks)

(6) (a) The figure given shows a cuboid that has been created by using small equal cubes of side length 1cm each.



- (i) Find the volume of a small cube.
 (ii) Find the number of small cubes used to create the cuboid.
 (iii) Find the length, breadth and height of the cuboid respectively.
 (iv) Calculate the volume of the cuboid.
 (3 marks)
- (b) A cake of mass 5kg 100g was equally packed in 6 small boxes. Calculate the mass of the amount of cake in one box. (2 marks)



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