

ATOMIC ENERGY CENTRAL SCHOOL NO. 2, MUMBAI





PERIODIC TEST - II

CLASS 06 - MATHEMATICS

Time Allowed : 90 mins

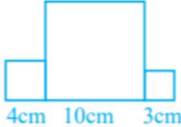
Maximum Marks : 40

Section A		
1	$\frac{11}{7}$ can be expressed in the form a) $7\frac{1}{4}$ b) $1\frac{4}{7}$ c) $11\frac{1}{7}$ d) $4\frac{1}{7}$	[1]
2	The vulgar fraction of 0.231 can be expressed as _____. a) $\frac{231}{1000}$ b) $\frac{229}{990}$ c) $\frac{231}{999}$ d) $\frac{229}{900}$	[1]
3	A man bought two books each for ₹ 467.75 and gave a note of ₹ 1000 to the shopkeeper. How much money did he get back? a) ₹ 64.50 b) ₹ 80.25 c) ₹ 74.25 d) ₹ 72.75	[1]
4	The decimal expression for 8 rupees 8 paise (in Rupees) is a) 8.8 b) 8.08	[1]

	<p>c) 88.0</p> <p>d) 8.008</p>	
5	<p>The number of times an observation occurs in a data is called its_____.</p> <p>a) Interval</p> <p>b) Range</p> <p>c) Raw data</p> <p>d) Frequency</p>	[1]
6	<p>Using tally marks which one of the following represents the number five?</p> <p>a) </p> <p>b) </p> <p>c) </p> <p>d) </p>	[1]
7	<p>What is the length of the side of the square whose area is 64 cm^2 ?</p> <p>a) 32 cm</p> <p>b) 16 cm</p> <p>c) 40 cm</p> <p>d) 8 cm</p>	[1]
8	<p>The perimeter of a regular pentagon is 100 cm. How long is each side?</p> <p>a) 30 cm</p> <p>b) 25 cm</p> <p>c) 20 cm</p> <p>d) 35cm</p>	[1]
9	<p>If x takes the value 2, then the value of $x + 10$ is</p> <p>a) 20</p> <p>b) 12</p>	[1]

	c) 8 d) 5											
10	Number of matchsticks required to make a pattern of "V" a) 2 b) 4 c) 3 d) 5	[1]										
Section B												
11	Solve :... $-\frac{5}{8} = \frac{1}{4}$	[2]										
12	Find the sum of $25.65 + 9.005 + 3.7$.	[2]										
13	Students on roll of a school during 4 years is given in the following pictograph. <table border="1" data-bbox="279 867 594 1066"> <thead> <tr> <th>Year</th> <th>Number of students</th> </tr> </thead> <tbody> <tr> <td>2006</td> <td>* * *</td> </tr> <tr> <td>2007</td> <td>* * * *</td> </tr> <tr> <td>2008</td> <td>* * * * $\frac{1}{2}$</td> </tr> <tr> <td>2009</td> <td>* * * * * $\frac{1}{2}$</td> </tr> </tbody> </table> <p>* Represent = 100 Students Answer the following questions.</p> <ol style="list-style-type: none"> How many students were on roll in year 2007? How many students were more in 2009 than 2008? 	Year	Number of students	2006	* * *	2007	* * * *	2008	* * * * $\frac{1}{2}$	2009	* * * * * $\frac{1}{2}$	[2]
Year	Number of students											
2006	* * *											
2007	* * * *											
2008	* * * * $\frac{1}{2}$											
2009	* * * * * $\frac{1}{2}$											
14	The teacher distributes 5 pencils per student. Can you tell how many pencils are needed, given the number of students? (Use s for number of students.)	[2]										
Section C												
15	It was estimated that because of people switching to Metro trains, about 33000 tonnes of CNG, 3300 tonnes of diesel and 21000 tonnes of petrol were saved by the end of the year 2007. Find the fraction of : <ol style="list-style-type: none"> the quantity of diesel saved to the quantity of petrol saved. the quantity of diesel saved to the quantity of CNG saved. 	[3]										
16	Solve: $8.2 - 4.56 - 0.7912 + 2.67$	[3]										

17 Three squares are joined together as shown in Fig. Their sides are 4cm, 10cm and 3cm. Find the perimeter of the figure.



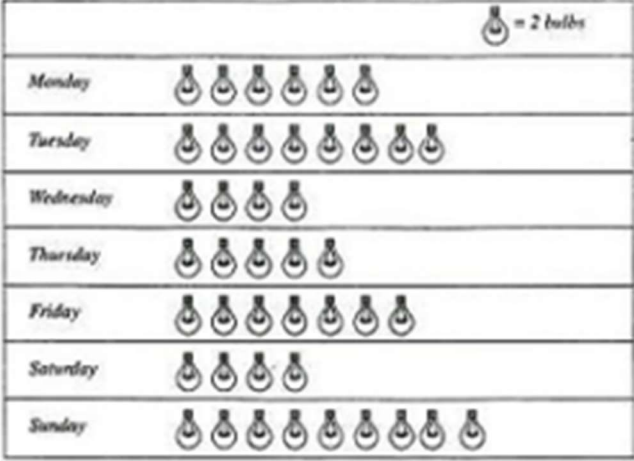
18 **Observe the pattern, identify the variable and write its general expression.**

No. of cows	1	2	3	4	n
Total No. of legs	4	8	12	16	?

Section D

19 The length of a rectangular field is 8m and breadth is 2m. If a square field has the same perimeter as this rectangular field, find which field has the greater area.

20 The sale of electric bulbs on different days of week is shown below:



What can we conclude from the said pictograph? Observe the pictograph and answer the following questions.

- How many bulbs were sold on Friday?
- On which day maximum number of bulbs were sold?
- If one bulb was sold at the rate of Rs.10, what was the total sale on Sunday?
- Can you find out the total sale of the week?
- If one big carton can hold 9 bulbs, how many cartons were needed in the given week?

