



Name:

Term Test - 1

M.M. 80

Roll No


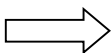
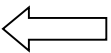

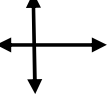
Subject- Mathematics


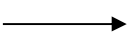
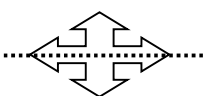
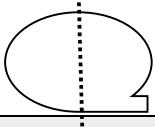
Time: 3 hours






General Instructions:

1. The Question Paper contains five sections.
2. Section A consists of 27 questions of 1 mark each.
3. Section B consists of 1 question of 5 marks.
4. Section C consists of 5 questions of 2 marks each.
5. Section D consists of 6 questions of 3 marks each.
6. Section E consists of 5 questions of 4 marks each

Section A		
Section A consists of 27 questions of 1 mark each.		
Q.NO.	Tick the correct option:	MARKS
1	Which of the following goes in both directions without ever ending? a) Ray b) Line Segment c) Point d) Line	1
2	$\frac{4}{7} = \frac{\square}{28}$ a) 8 b) 12 c) 4 d) 16	1
3	Which type of lines cross each other? a) Parallel b) Intersecting c) Straight d) none of these	1
4	7418 is divisible by a) 3 b) 9 c) 5 d) 2	1
5	Which of the following letters will not look same in a mirror? a) A b) B c) O d) H	1
6	Which is the smallest odd prime number? a) 2 b) 3 c) 5 d) 7	1
7	3508 rounded off to nearest 100 is a) 3600 b) 3500 c) 3518 d) 3618	1
8	Parallel lines are lines that a) meet at a point b) are perpendicular to each other c) form a triangle d) never meet or cross each other	1
Fill in the blanks		
9	An equivalent fraction of $\frac{7}{15}$ is	1

10	A line of symmetry divides a shape into 2 parts.	1
11	1258 rounded off to gives 1260 as answer.	1
12	$\frac{2}{7} + \frac{4}{7} = \dots\dots\dots$	1
13	7548 is by 5(divisible/ not divisible)	1
14	A line segment has end points.	1
15	Smallest even prime number is	1
True/False:		
16	A point shows an exact location on paper.	1
17	 has no line of symmetry	1
18	Mirror image of  is 	1
19	$\frac{14}{8} > \frac{12}{3}$	1
20	7413 is divisible by 4	1
21	$\frac{3}{8} = \frac{12}{24}$	1
22	If $500 \div 4 = 125$ then divisor = 4	1
23	A square has 4 lines of symmetry	1
Match it		
24	<div> <div> i)  ii)  iii) $289 \div 2$ iv) $3059 \div 13$ </div> <div> a) Perpendicular b) Parallel c) $R = 4$ d) $R = 1$ </div> </div>	4

	Section B	
	Section B consists of 1 question of 5 marks.	
25	Dodging tables: a) $13 \times 5 = \dots\dots\dots$ f) $12 \times 4 = \dots\dots$ b) $14 \times 6 = \dots\dots\dots$ g) $13 \times 7 = \dots\dots$ c) $15 \times 7 = \dots\dots\dots$ h) $16 \times 4 = \dots\dots$ d) $16 \times 8 = \dots\dots\dots$ i) $15 \times 9 = \dots\dots$ e) $17 \times 9 = \dots\dots\dots$ j) $17 \times 5 = \dots\dots$	5
	Section C	
	Section C consists of 5 questions of 2 marks each. Solve the following questions:	
26	Identify the following: i)  ii) 	2
27	₹ 5,876 are distributed equally among 26 men. How much money will each person get?	2
28	Put sign $>$, $<$, or $=$ i) $\frac{4}{7}$ <input type="text"/> $\frac{3}{5}$ ii) $\frac{4}{6}$ <input type="text"/> $\frac{3}{9}$	2
29	Check if 11 is a factor of 9546 or not.	2
30	Check if dotted line is line of symmetry or not(Write Yes or No): i)  ii) 	2
	Section D	
	Section D consists of 6 questions of 3 marks each. Solve the following questions:	
31	Round off i) 7528 to nearest 10 ii) 4126 to nearest 100 iii) 5836 nearest 1000	3

32	Using divisibility rule check if 71836 divisible by 6 or not.	3
33	Do prime factorization of 32	3
34	Reduce $\frac{36}{40}$ into simplest form.	3
35	Draw mirror image of i) M ii) 5 iii) 	3
36	Sohan took $\frac{1}{2}$ hour to paint a table and Mohan took $\frac{2}{3}$ hour to paint a chair. Who took more time to paint?	3
Section E		
Section E consists of 5 questions of 4 marks each. Solve the following questions:		
37	Divide and check: $57856 \div 25$	4
38	i) Draw factor tree of 48 ii) Can you make 13 bunches of 4528 flowers so that there are equal number of flowers in each bunch and no flower is left out?	4
39	Arrange in ascending order: $\frac{1}{3}, \frac{2}{5}, \frac{1}{2}$	4
40	Continue pattern: i) 48, 40, 34, 26, 20,..... ii) 800, 400, 200, 100, iii) A, Z, BB, YY, CCC, iv)  ,  ,  ,  ,	4
41	Add: $\frac{4}{5} + \frac{3}{15}$	4

**ANSWER KEY**

Name:

Roll No


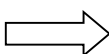
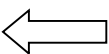

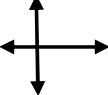
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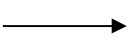
Subject- Mathematics

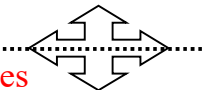
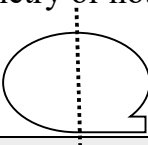
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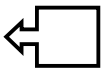

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5. Section D consists of 6 questions of 3 marks each.
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Section A		
Section A consists of 27 questions of 1 mark each.		
Q.NO.	Tick the correct option:	MARKS
1	Which of the following goes in both directions without ever ending? a) Ray b) Line Segment c) Point <input checked="" type="checkbox"/> d) Line	1
2	$\frac{4}{7} = \frac{\boxed{}}{28}$ a) 8 b) 12 c) 4 <input checked="" type="checkbox"/> d) 16	1
3	Which type of lines cross each other? a) Parallel <input checked="" type="checkbox"/> b) Intersecting c) Straight d) none of these	1
4	7418 is divisible by a) 3 b) 9 c) 5 <input checked="" type="checkbox"/> d) 2	1
5	Which of the following letters will not look same in a mirror? a) A <input checked="" type="checkbox"/> b) B c) O d) H	1
6	Which is the smallest odd prime number? a) 2 <input checked="" type="checkbox"/> b) 3 c) 5 d) 7	1
7	3508 rounded off to nearest 100 is a) 3600 <input checked="" type="checkbox"/> b) 3500 c) 3518 d) 3618	1
8	Parallel lines are lines that b) meet at a point <input checked="" type="checkbox"/> b) are perpendicular to each other c) form a triangle <input checked="" type="checkbox"/> d) never meet or cross each other	1
Fill in the blanks		
9	An equivalent fraction of $\frac{7}{15}$ is $\frac{14}{30}$	1

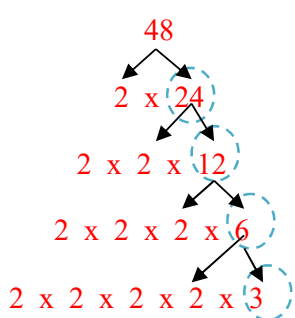
10	A line of symmetry divides a shape into 2 <u>equal</u> parts.	1
11	1258 rounded off to <u>10</u> gives 1260 as answer.	1
12	$\frac{2}{7} + \frac{4}{7} = \frac{6}{7}$	1
13	7548 is <u>not divisible</u> by 5(divisible/ not divisible)	1
14	A line segment has <u>2</u> end points.	1
15	Smallest even prime number is <u>2</u>	1
	True/False:	
16	A point shows an exact location on paper. True	1
17	 has no line of symmetry False	1
18	Mirror image of  is  True	1
19	$\frac{14}{8} > \frac{12}{3}$ False	1
20	7413 is divisible by 4 False	1
21	$\frac{3}{8} = \frac{12}{24}$ False	1
22	If $500 \div 4 = 125$ then divisor = 4 True	1
23	A square has 4 lines of symmetry True	1
	Match it	
24	<div><div><div>i) </div><div>ii) </div><div>iii) $289 \div 2$</div><div>iv) $3059 \div 13$</div></div><div><div>a) Perpendicular ii)</div><div>b) Parallel i)</div><div>c) $R = 4$ iv)</div><div>d) $R = 1$ iii)</div></div></div>	4

	Section B																																																													
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25	<p>Dodging tables: a) 13 x 5 = <u>65</u> f) 12 x 4 = <u>48</u></p> <p> b) 14 x 6 = <u>84</u> g) 13 x 7 = <u>91</u></p> <p> c) 15 x 7 = <u>105</u> h) 16 x 4 = <u>64</u></p> <p> d) 16 x 8 = <u>128</u> i) 15 x 9 = <u>135</u></p> <p> e) 17 x 9 = <u>153</u> j) 17 x 5 = <u>85</u></p>	5																																																												
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26	<p>Identify the following:</p> <p>i)  Intersecting Lines</p> <p>ii)  Ray</p>	2																																																												
27	<p>₹ 5,876 are distributed equally among 26 men. How much money will each person get?</p> <p>Money distributed among 26 men = ₹ 5,876</p> <p>Money given to 1 man = ₹ 5,876 ÷ 26</p> <div><table><tr><td></td><td></td><td>0</td><td>2</td><td>2</td><td>6</td></tr><tr><td>2</td><td>6</td><td>5</td><td>8</td><td>7</td><td>6</td></tr><tr><td></td><td>-</td><td>0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>5</td><td>8</td><td></td><td></td></tr><tr><td></td><td>-</td><td>5</td><td>2</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>6</td><td>7</td><td></td></tr><tr><td></td><td></td><td>-</td><td>5</td><td>2</td><td></td></tr><tr><td></td><td></td><td></td><td>1</td><td>5</td><td>6</td></tr><tr><td></td><td></td><td>-</td><td>1</td><td>5</td><td>6</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>0</td></tr></table></div> <p>Each person will get ₹ 226</p>			0	2	2	6	2	6	5	8	7	6		-	0						5	8				-	5	2						6	7				-	5	2					1	5	6			-	1	5	6						0	2
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28	<p>Put sign >, <, or =</p> <p>i) $\frac{4}{7}$ < $\frac{3}{5}$</p> <p>ii) $\frac{4}{6}$ > $\frac{3}{9}$</p>	2																																																												
29	<p>Check if 11 is a factor of 9546 or not.</p> <table><tr><td></td><td></td><td>0</td><td>8</td><td>6</td><td>7</td></tr><tr><td>1</td><td>1</td><td>9</td><td>5</td><td>4</td><td>6</td></tr><tr><td></td><td>-</td><td>0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>9</td><td>5</td><td></td><td></td></tr><tr><td></td><td>-</td><td>8</td><td>8</td><td></td><td></td></tr><tr><td></td><td></td><td>7</td><td>4</td><td></td><td></td></tr><tr><td></td><td></td><td>-</td><td>6</td><td>6</td><td></td></tr><tr><td></td><td></td><td></td><td>8</td><td>6</td><td></td></tr><tr><td></td><td></td><td></td><td>-</td><td>7</td><td>7</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>9</td></tr></table> <p>11 is not a factor of 9546 because remainder is not 0</p>			0	8	6	7	1	1	9	5	4	6		-	0						9	5				-	8	8					7	4					-	6	6					8	6					-	7	7						9	2
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31	<p>Round off</p> <p>i) 7528 to nearest 10 7530</p> <p>ii) 4126 to nearest 100 4100</p> <p>iii) 5836 nearest 1000 6000</p>	3																																																												
32	<p>Using divisibility rule check if 71836 divisible by 6 or not.</p> <p>By 2</p> <p>71836 is divisible by 2 because it is an even number</p> <p>By 3</p>	3																																																												

	<p>Sum of digits= $7+1+8+3+6$ $= 25$</p> <p>71836 is not divisible by 3 because sum of digits i.e. 25 is not divisible by 3</p> <p>So 71836 is not divisible by 6 because it is divisible by 2 but not by 3.</p>	
33	<p>Do prime factorization of 32</p> $ \begin{array}{r l} 2 & 32 \\ \hline 2 & 16 \\ \hline 2 & 8 \\ \hline 2 & 4 \\ \hline 2 & 2 \\ \hline & 1 \end{array} $ <p>$32 = 2 \times 2 \times 2 \times 2 \times 2$</p>	3
34	<p>Reduce $\frac{36}{40}$ into simplest form.</p> $\frac{36}{40}$ <p>HCF of 36, 40 is 4</p> $\frac{36}{40} = \frac{36 \div 4}{40 \div 4} = \frac{9}{10}$	3
35	<p>Draw mirror image of</p> <p>i) M M</p> <p>ii) 5 5</p> <p>iii)  </p>	3
36	<p>Sohan took $\frac{1}{2}$ hour to paint a table and Mohan took $\frac{2}{3}$ hour to paint a chair. Who took more time to paint?</p>	3

	<p>Time taken to paint table = $\frac{1}{2}$ hours</p> <p>Time taken to paint a chair = $\frac{2}{3}$ hours</p> <p>To find who took more time to paint, compare the fractions $\frac{1}{2}$ hours and $\frac{2}{3}$ hours</p> <p>LCM of 3 and 2 is 6</p> $\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$ $\frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$ $\frac{4}{6} > \frac{3}{6}$ $\frac{2}{3} > \frac{1}{2}$ <p>So, Mohan took more time to paint the chair</p>																																																																																					
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38	<p>i) Draw factor tree of 48</p>  <p>$48 = 2 \times 2 \times 2 \times 2 \times 3$</p> <p>ii) Can you make 13 bunches of 4528 flowers so that there are equal number of flowers in each bunch and no flower is left out?</p> <table border="1" data-bbox="451 844 665 1350"><tr><td></td><td></td><td>0</td><td>3</td><td>4</td><td>8</td></tr><tr><td>1</td><td>3</td><td>4</td><td>5</td><td>2</td><td>8</td></tr><tr><td>-</td><td>0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5</td><td></td><td></td><td></td></tr><tr><td>-</td><td>3</td><td>9</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>6</td><td>2</td><td></td><td></td></tr><tr><td></td><td></td><td>-</td><td>5</td><td>2</td><td></td></tr><tr><td></td><td></td><td></td><td>1</td><td>0</td><td>8</td></tr><tr><td></td><td></td><td>-</td><td>1</td><td>0</td><td>4</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>4</td></tr></table> <p>No, you cannot make 13 bunches of 4528 flowers so that there are equal number of flowers in each bunch and no flower is left out</p>			0	3	4	8	1	3	4	5	2	8	-	0						4	5				-	3	9						6	2					-	5	2					1	0	8			-	1	0	4						4	4
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39	<p>Arrange in ascending order: $\frac{1}{3}, \frac{2}{5}, \frac{1}{2}$</p> <p>$\frac{1}{3}, \frac{2}{5}, \frac{1}{2}$</p> <p>Since these fractions are unlike, so we will convert them into like fractions.</p> <p>LCM of denominators i.e. 3, 5 and 2 is 30</p> <p>$\frac{1}{3} = \frac{1}{3} \times \frac{10}{10} = \frac{10}{30}$</p> <p>$\frac{2}{5} = \frac{2}{5} \times \frac{6}{6} = \frac{12}{30}$</p> <p>$\frac{1}{2} = \frac{1}{2} \times \frac{15}{15} = \frac{15}{30}$</p>	4																																																												

	<p>Now $\frac{10}{30}$, $\frac{12}{30}$ and $\frac{15}{30}$ are like fractions</p> <p>To compare like fractions, compare numerators : $10 < 12 < 15$</p> <p>Ascending order is $\frac{10}{30} < \frac{12}{30} < \frac{15}{30}$</p> <p>$\frac{1}{3} < \frac{2}{5} < \frac{1}{2}$</p>	
40	<p>Continue pattern:</p> <p>i) 48, 40, 34, 26, 20, <u>12</u></p> <p>ii) 800, 400, 200, 100, <u>50</u></p> <p>iii) A, Z, BB, YY, CCC, <u>XXX</u></p> <p>iv) \Rightarrow , \Downarrow , \Leftarrow , \Uparrow , \Rightarrow</p>	4
41	<p>Add: $\frac{4}{5} + \frac{3}{15}$</p> <p>$\frac{4}{5} + \frac{3}{15}$</p> <p>LCM of 5 and 15 is 15</p> <p>$\frac{4}{5} \times \frac{3}{3} = \frac{12}{15}$</p> <p>$\frac{3}{15} \times \frac{1}{1} = \frac{3}{15}$</p> <p>$\frac{4}{5} + \frac{3}{15} = \frac{12}{15} + \frac{3}{15}$</p> <p>$= \frac{12+3}{15}$</p> <p>$= \frac{15}{15}$ (HCF of 15 and 15 is 15)</p> <p>$= 1$ Ans</p>	4