



**INDIAN SCHOOL SALALAH**  
**SECOND TERM EXAMINATION – FEBRUARY – MARCH 2023**  
**MATHEMATICS**







**Class: VI**

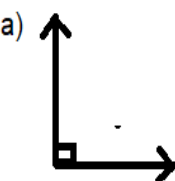
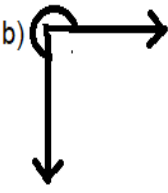

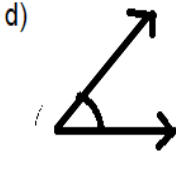
**Time: 3 hours**

**Maximum Marks: 80**















**General Instructions:**

- a) All questions are compulsory.
- b) This question paper consists of 30 questions divided into 4 sections. Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 8 questions of 4 marks each.

NO	SECTION A	MARKS
1	How many end points does a ray have?	1
2	Which direction will you face if you start facing north and make $\frac{3}{4}$ of a revolution clockwise?	1
3	Which integer is neither positive nor negative?	1
4	Express $\frac{13}{5}$ as mixed fraction.	1
5	Which is greater? 1.98 or 1.899	1
6	What is the perimeter of a square, whose each side is 'x' unit?	1
	<b>SECTION B</b>	
7	Which of the followings are polygons?  a)  b)  c)  d) 	2
8	Find the ratio of 50 g to 1 kg.	2
9	Using the number line write the integer 6 more than $(-3)$ .	2
10	Write the simplest form of $\frac{48}{72}$ .	2
11	a) Express 185 mm as cm using decimals. b) Express 7 kg 25 g as kg using decimals.	2

12	<p>Classify each one of the following angles as right, straight, acute, obtuse or reflex:</p> <p>a) </p> <p>b) </p> <p>c) </p> <p>d) </p>	2																												
<b>SECTION C</b>																														
13	<p>Match the following:</p> <table border="1" data-bbox="316 645 1093 1137"> <thead> <tr> <th></th> <th>Measure of angles</th> <th></th> <th>Type of angles</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td><math>55^{\circ}</math></td> <td>a.</td> <td>Complete angle</td> </tr> <tr> <td>ii.</td> <td><math>125^{\circ}</math></td> <td>b.</td> <td>Straight angle</td> </tr> <tr> <td>iii.</td> <td><math>360^{\circ}</math></td> <td>c.</td> <td>Acute angle</td> </tr> <tr> <td>iv.</td> <td><math>345^{\circ}</math></td> <td>d.</td> <td>Right angle</td> </tr> <tr> <td>v.</td> <td><math>180^{\circ}</math></td> <td>e.</td> <td>Obtuse angle</td> </tr> <tr> <td>vi.</td> <td><math>90^{\circ}</math></td> <td>f.</td> <td>Reflex angle</td> </tr> </tbody> </table>		Measure of angles		Type of angles	i.	$55^{\circ}$	a.	Complete angle	ii.	$125^{\circ}$	b.	Straight angle	iii.	$360^{\circ}$	c.	Acute angle	iv.	$345^{\circ}$	d.	Right angle	v.	$180^{\circ}$	e.	Obtuse angle	vi.	$90^{\circ}$	f.	Reflex angle	3
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14	<p>a) Write all integers between <math>(-5)</math> and <math>2</math> in ascending order.</p> <p>b) If we are at <math>(-4)</math> on the number line, in which direction should we move to reach <math>2</math>?</p>	3																												
15	<p>Match the following A to B:</p> <table border="1" data-bbox="338 1400 874 1792"> <thead> <tr> <th></th> <th>A</th> <th></th> <th>B</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td><math>\frac{7}{9} - \frac{1}{3}</math></td> <td>a.</td> <td><math>\frac{7}{9}</math></td> </tr> <tr> <td>ii.</td> <td><math>1 - \frac{2}{9}</math></td> <td>b.</td> <td><math>\frac{8}{9}</math></td> </tr> <tr> <td>iii.</td> <td><math>\frac{5}{9} + \frac{1}{3}</math></td> <td>c.</td> <td><math>\frac{4}{9}</math></td> </tr> </tbody> </table>		A		B	i.	$\frac{7}{9} - \frac{1}{3}$	a.	$\frac{7}{9}$	ii.	$1 - \frac{2}{9}$	b.	$\frac{8}{9}$	iii.	$\frac{5}{9} + \frac{1}{3}$	c.	$\frac{4}{9}$	3												
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16	Divide 80 pens between Tom and Tony in the ratio of 3:2.	3																												
17	<p>Fill in the blanks with <math>&lt;</math>, <math>&gt;</math> or <math>=</math></p> <p><math>68 - (-12)</math> _____ <math>61 + (-15)</math></p>	3																												

18	<p>Take Yamuna's present age to be 'p' years.</p> <p>a) What will be her age 9 years from now?</p> <p>b) Yamuna's mother's age is 5 times Yamuna's age. What is her mother's age?</p> <p>c) Yamuna's father's age is 4 years more than her mother's age. What is her father's age?</p>	3
19	<p>In a school of 1800 students, 600 are girls.</p> <p>a) Find the ratio of boys to girls.</p> <p>b) Find the ratio of girls to total number of students.</p>	3
20	<p>George travelled 6 km 25 m by bus, 3 km 585 m by car and the rest 1 km 70 m he walked. How much distance did he travel in all?</p>	3
21	<p>Study the following expressions and write how the expressions have been formed.</p> <p>a) <math>3x - 7</math></p> <p>b) <math>\frac{y}{2} + 5</math></p> <p>c) <math>11(m + 2)</math></p>	3
22	<p>Determine whether the following are in proportion. 18, 30, 30, 50.</p> <p>Also write its extreme terms and middle terms.</p>	3
<b>SECTION D</b>		
23	<p>In the given figure ABCD is a rhombus, study the figure and answer the following questions:</p> <p>a) Name the interior points.</p> <p>b) Name the exterior points.</p> <p>c) Name any two points which is lying on it.</p> <p>d) Name any two angles.</p>	4
24	<p>Name the type of the triangle in two different ways.</p> <p>a) <math>\triangle XYZ</math> with <math>\angle Y = 90^\circ</math> and <math>XY = YZ = 5</math> cm.</p> <p>b) <math>\triangle ABC</math> with <math>\angle B = 140^\circ</math> and <math>AB = BC = 4</math> cm.</p> <p>c) <math>\triangle PQR</math> with <math>\angle P = \angle Q = \angle R = 60^\circ</math> and <math>PQ = QR = PR = 8</math> cm.</p> <p>d) <math>\triangle TOM</math> with angles measuring <math>\angle T = 70^\circ</math>, <math>\angle O = 60^\circ</math>, <math>\angle R = 50^\circ</math> and sides measuring <math>OM = 9</math> cm, <math>TM = 7.5</math> cm, <math>TO = 6</math> cm.</p>	4
25	<p>Find</p> <p>a) <math>34 + (-21) - 36 + 25</math></p> <p>b) <math>(-10) - (-39) + (-32) + 50</math></p>	4

26	<p>In a mathematics test, marks obtained by the 40 students are as follows,</p> <p>7 5 4 5 7 8 7 4 1 3  2 1 3 5 7 8 9 3 2 3  8 7 9 4 9 3 7 5 1 2  7 5 9 5 8 5 7 8 8 5</p> <p>Answer the following questions:</p> <p>a) Make a frequency distribution table for the above data by using the tally marks.</p> <p>b) How many students obtained maximum marks?</p>	4										
27	Simplify: $4\frac{2}{3} - 3\frac{1}{2} + 2\frac{5}{6}$ .	4										
28	<p>A car travels 120 km in 3 hours.</p> <p>a) How much time is required to cover 40 km with the same speed?</p> <p>b) Find the distance covered in 2 hours with the same speed.</p>	4										
29	Jaseena bought a book for ₹ 18.90, a pen for ₹ 8.50 and a pencil for ₹ 5.05. She gave fifty rupees to the shopkeeper. How much balance did she get back?	4										
30	<p>Students on roll of Class VI during 4 years given in the following pictograph.</p> <table border="1" data-bbox="264 1093 1289 1509"> <thead> <tr> <th data-bbox="264 1093 427 1178">Year</th> <th data-bbox="427 1093 1289 1178">Number of students  = 50 students</th> </tr> </thead> <tbody> <tr> <td data-bbox="264 1178 427 1263">2019</td> <td data-bbox="427 1178 1289 1263"></td> </tr> <tr> <td data-bbox="264 1263 427 1348">2020</td> <td data-bbox="427 1263 1289 1348"></td> </tr> <tr> <td data-bbox="264 1348 427 1433">2021</td> <td data-bbox="427 1348 1289 1433"></td> </tr> <tr> <td data-bbox="264 1433 427 1509">2022</td> <td data-bbox="427 1433 1289 1509"></td> </tr> </tbody> </table> <p>Answer the following questions:</p> <p>a) How many students were there on roll in the year 2019?</p> <p>b) How many students were there on roll in the year 2021?</p> <p>c) How many more students were there on roll in the year 2021 than in the year 2019?</p> <p>d) How many more students were there on roll in the year 2022 than in the year 2020?</p>	Year	Number of students  = 50 students	2019		2020		2021		2022		4
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