



**INDIAN SCHOOL AL WADI AL KABIR**  
**Class VI**, Mathematics  
**Final Examination Revision Worksheet (2020-2021)**

**OBJECTIVE TYPE (1 Mark)**

Q.1.	The perimeter of a regular hexagon is 48 cm. The length of each side is							
	<b>A</b>	6 cm	<b>B</b>	4 cm	<b>C</b>	8 cm	<b>D</b>	12 cm
Q.2.	The ratio of 50 paise to 1 Rupee is							
	<b>A</b>	1:2	<b>B</b>	2:1	<b>C</b>	1:50	<b>D</b>	50:1
Q.3.	Which direction will you face if you start facing west and make $\frac{3}{4}$ of a revolution anti-clockwise?							
	<b>A</b>	South	<b>B</b>	East	<b>C</b>	West	<b>D</b>	North
Q.4.	Ashish is 7 years younger than his sister Aditi. If Aditi is $x$ years old, what is Ashish's age in terms of $x$ .							
	<b>A</b>	$x+7$	<b>B</b>	$7-x$	<b>C</b>	$7x$	<b>D</b>	$x-7$
Q.5.	If the three sides of a triangle are unequal and all the three angles are unequal and less than $90^\circ$ , it is							
	<b>A</b>	an isosceles acute-angled triangle	<b>B</b>	a scalene right-angled triangle	<b>C</b>	an equilateral acute-angled triangle	<b>D</b>	a scalene acute-angled triangle
Q.6.	The value of $(-8) + (16) + (-12)$							
	<b>A</b>	-8	<b>B</b>	4	<b>C</b>	-4	<b>D</b>	-3
Q.7.	Aakash bought fruits weighing 4 kg 250 g. Out of this he gave 2 kg 350 g to his brother. What is the weight of fruits left with Aakash?							
	<b>A</b>	1.9 kg	<b>B</b>	2 kg	<b>C</b>	2.1 kg	<b>D</b>	2.9 kg
Q.8	Convert 246 cm to metres.							
	<b>A</b>	24.6 m	<b>B</b>	0.246 m	<b>C</b>	2.46 m	<b>D</b>	2460 m
Q.9	Choose the biggest decimal number among these: 2.094, 2.009, 2.109, 2.099							
	<b>A</b>	2.094	<b>B</b>	2.009	<b>C</b>	2.109	<b>D</b>	2.099
Q.10	The general rule for a pattern of letter 'Z' is							
	<b>A</b>	$4n$	<b>B</b>	$3n$	<b>C</b>	$2n$	<b>D</b>	$n+2$

<b>Q.11</b>	The length of a rectangle is 12 cm and its breadth 8 cm. Its perimeter in cm will be							
<b>A</b>	40 cm	<b>B</b>	20 cm	<b>C</b>	96 cm	<b>D</b>	24 cm	
<b>Q.12</b>	The simplest form of the ratio 14:21 is							
<b>A</b>	1:2	<b>B</b>	2:1	<b>C</b>	3:2	<b>D</b>	2:3	
<b>Q.13</b>	The hour hand of a clock moves from 12 to 5. The angle made by the hour hand in this movement will be an							
<b>A</b>	acute angle	<b>B</b>	obtuse angle	<b>C</b>	right angle	<b>D</b>	straight angle	
<b>Q.14</b>	The two equal sides of an isosceles triangle are 5 cm. If the perimeter of the triangle is 16 cm, the length of the third side is							
<b>A</b>	10 cm	<b>B</b>	21 cm	<b>C</b>	6 cm	<b>D</b>	16 cm	
<b>Q.15</b>	The value of 25 less than $-15$ , is							
<b>A</b>	10	<b>B</b>	$-40$	<b>C</b>	$-10$	<b>D</b>	$-35$	
<b>Q.16</b>	Salim travelled 3 km 50 m by car, 4 km 450 m by bus and the rest 1km 50 m he walked. How much distance (in km) did he travel in all?							
<b>A</b>	8.055km	<b>B</b>	8.05 km	<b>C</b>	7.55 km	<b>D</b>	8.55 km	
<b>Q.17</b>	A quadrilateral in which each angle is $90^\circ$ and only the opposite sides are equal in measure, is a							
<b>A</b>	square	<b>B</b>	Rectangle	<b>C</b>	polygon	<b>D</b>	right-angled triangle	
<b>Q.18</b>	The area of a square plot of side 70 m is							
<b>A</b>	$2800 \text{ m}^2$	<b>B</b>	$2100 \text{ m}^2$	<b>C</b>	$5600 \text{ m}^2$	<b>D</b>	$4900 \text{ m}^2$	
<b>Q.19</b>	Choose which of the following are in proportion							
<b>A</b>	12 litres:24 litres and ₹50: ₹ 100	<b>B</b>	11pens:31pens and 40 balls:80 balls	<b>C</b>	44Kg: 90 kg and 25 g: 50 g	<b>D</b>	34 mats:43 mats and 19 books:38books	
<b>Q.20</b>	The general rule for the perimeter of a regular pentagon of side $l$ .							
<b>A</b>	$3l$	<b>B</b>	$4l$	<b>C</b>	$5l$	<b>D</b>	$6l$	

<b>Q.21</b>	In the given proportion $8: 9 :: 24 :27$ , the middle terms are							
<b>A</b>	8 and 9	<b>B</b>	9 and 24	<b>C</b>	24 and 27	<b>D</b>	8 and 27	
<b>Q.22</b>	The cost of 6 stickers is ₹ 60. What will be the cost of 10 stickers?							
<b>A</b>	₹120	<b>B</b>	₹36	<b>C</b>	₹100	<b>D</b>	₹360	
<b>Q.23</b>	Which of the following statements is true							
<b>A</b>	30 cm: 6 m = 1kg :20 kg	<b>B</b>	2 kg: 15 kg =4m:30cm	<b>C</b>	100 ml: 2 litre =₹100: ₹2	<b>D</b>	14 cm: 28 cm = 4kg: 12kg	
<b>Fill in the blanks (1 mark each)</b>								
	Out of 45 students in a class, 24 are boys, and the remaining are girls. Find the ratio of							
<b>Q.24</b>	number of boys to number of girls in the class is _____.							
<b>Q.25</b>	Number of girls to total number of students in the class _____.							
<b>Q.26</b>	Number of boys to total number of students is _____.							
<b>MCQ (1 mark each)</b>								
<b>Q.27</b>	The cost of hedging a square garden of side 25 m at a rate of ₹ 30 per metre is							
<b>A</b>	₹750	<b>B</b>	₹7500	<b>C</b>	₹30000	<b>D</b>	₹3000	
<b>Q.28</b>	The cost of a dozen of eggs is ₹60. The cost of 1 egg is							
<b>A</b>	₹ 15	<b>B</b>	₹ 60	<b>C</b>	₹ 5	<b>D</b>	₹ 10	
<b>Q.29</b>	What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from 5 to 9?							
<b>A</b>	$\frac{1}{4}$	<b>B</b>	$\frac{3}{4}$	<b>C</b>	$\frac{1}{3}$	<b>D</b>	$\frac{2}{3}$	
<b>Q.30</b>	The predecessor of $-18$							
<b>A</b>	18	<b>B</b>	$-19$	<b>C</b>	$-17$	<b>D</b>	$-20$	
<b>Q.31</b>	How many right angles do you make if you start facing north and turn anti-clockwise to east?							
<b>A</b>	1 right angle	<b>B</b>	2 right angles	<b>C</b>	3 right angles	<b>D</b>	4 right angles	
<b>Q.32</b>	ABCDEFGH is a polygon in which all sides are equal in measure. It is a							
<b>A</b>	regular pentagon	<b>B</b>	regular octagon	<b>C</b>	Regular hexagon	<b>D</b>	quadrilateral	

<b>Q.33</b>	A road-roller is an example of which of the following 3D-shapes							
	<b>A</b>	cone	<b>B</b>	cube	<b>C</b>	cuboid	<b>D</b>	cylinder
<b>Q.34</b>	The number of integers in between $-4$ and $4$ is							
	<b>A</b>	6	<b>B</b>	5	<b>C</b>	7	<b>D</b>	4
<b>Fill in the blanks (1mark)</b>								
<b>Q.35</b>	A vehicle travels $v$ km per hour. The distance travelled by the vehicle in 5 hours will be _____ km.							
<b>Q.36</b>	Mithun is $y$ years old now and his father's age is 4 more than 3 times his age. The father's age after 5 years will be _____.							
<b>Q.37</b>	The height of a rectangular box is $h$ cm. If the length is 3 times $h$ and the breadth is 5 cm less than the length, then the breadth of the box is _____ cm							
<b>MCQ (1 mark each)</b>								
<b>Q.38</b>	An expression for the statement: '15 subtracted from 10 times $y$ '							
	<b>A</b>	$15 - 10y$	<b>B</b>	$10 - 15y$	<b>C</b>	$10y - 15$	<b>D</b>	$(10 + y) - 15$
<b>Q.39</b>	A triangle in which all the three sides are unequal in measure is							
	<b>A</b>	an equilateral triangle	<b>B</b>	isosceles triangle	<b>C</b>	an acute angled triangle	<b>D</b>	scalene triangle
<b>Q.40</b>	Sara scores ' $s$ ' marks in a test. Sharan scores 12 less than 2 times Sara's score. Choose the expression which shows the marks scored by Sharan in terms of $s$ .							
	<b>A</b>	$12 - 2s$	<b>B</b>	$s - 12$	<b>C</b>	$2s - 12$	<b>D</b>	$2 - 12s$

**Case study:**

John started a business in the year 2017. The following table shows his gain and loss (in lakhs) in business during 4 consecutive years:

Year	Loss/gain (in lakh Rupees)
2017	– 5
2018	– 2
2019	5
2020	8

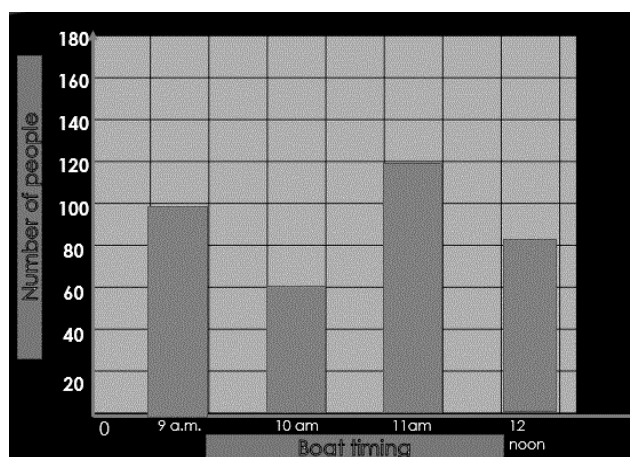


Q.41

Based on the above information, answer the following questions:

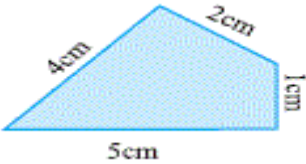
- In which year did he earn the maximum from his business?
- How much more did he earn in 2019 than in 2018?
- Is there a steady increase or decrease in income during these 4 years?
- In which year was his income the least?
- What is his overall loss or gain during business in the given 4 years?

Q.42

**Case study:**

A boat takes visitors out into the sea for dolphin watch at different timings of the day. The given bar graph shows the number of people who went out into the sea at different timings. Observe the graph and answer the following questions.

- How many people went at 9 am boat timing?
- Maximum number of visitors used which boat timing?
- How many more people used the 11 am boat timing than the 10 am boat timing?
- Minimum number of visitors used which boat timing?
- How many more visitors preferred 9 a.m. than 12 noon?
- How many visitors went for the dolphin watch altogether on the day?

<b>Q.43</b>	The perimeter of a regular pentagon of each side 7 cm is						
<b>A</b>	35 cm	<b>B</b>	28 cm	<b>C</b>	42 cm	<b>D</b>	49 cm
<b>Q.44</b>	If I start from $-6$ on the number line and then move 4 steps to the right of $-6$ , then I reach at						
<b>A</b>	$-2$	<b>B</b>	$-10$	<b>C</b>	$-12$	<b>D</b>	2
<b>Q.45</b>	A statement for the expression $2n - 14$						
<b>A</b>	14 subtracted from 2 times n	<b>B</b>	2 times n subtracted from 14	<b>C</b>	The sum of 2 and n subtracted from 14	<b>D</b>	The product of 2 and n subtracted from 14
<b>Q.46</b>	Find the sum of 12.608, 2.57, and 10.184						
<b>A</b>	24.362	<b>B</b>	25.362	<b>C</b>	25.360	<b>D</b>	20.362
<b>Q.47</b>	Pick out the solution from the values given in bracket for the equation $3z = 24$ (5, 7, 8 10)						
<b>A</b>	5	<b>B</b>	7	<b>C</b>	8	<b>D</b>	10
<b>Q.48</b>	Gopal takes 2 rounds of a rectangular park, 40 m long and 20 m wide. Find the total distance covered by him.						
<b>A</b>	1600m	<b>B</b>	240 m	<b>C</b>	160 m	<b>D</b>	120 m
<b>Q.49</b>	 <p>Find the perimeter of the given figure.</p>						
<b>A</b>	11 cm	<b>B</b>	10 cm	<b>C</b>	12 cm	<b>D</b>	13 cm
<b>Q.50</b>	The area of a rectangular piece of cardboard is 48 sq cm and its length is 8 cm. What is the width of the cardboard?						
<b>A</b>	24 cm	<b>B</b>	8 cm	<b>C</b>	7 cm	<b>D</b>	6 cm
<b>Q.51</b>	A room is 5 m long and 4 m wide. How many square metres of carpet is needed to cover the floor of the room?						
<b>A</b>	20 sq. m	<b>B</b>	9 sq. m	<b>C</b>	18 sq. m	<b>D</b>	5 sq. m
<b>Q.52</b>	Find the cost of levelling a square plot of land of side 8 m at a rate of ₹10 per sq. m						
<b>A</b>	₹80	<b>B</b>	₹320	<b>C</b>	₹500	<b>D</b>	₹640

<b>Q.53</b>	z	5	6	8	10	From the given table, identify the solution to the equation $z + 3 = 11$		
	$Z + 3$	8	9	11	13			
	<b>A</b>	5	<b>B</b>	8	<b>C</b>	6	<b>D</b>	10
<b>Q.54</b>	Which of the following is not an equation containing a variable							
	<b>A</b>	$x+5 = 15$	<b>B</b>	$m - 10 > 100$	<b>C</b>	$x + 1 = 0$	<b>D</b>	$12 - r = 12$
<b>Q.55</b>	Divide 10 chocolates among Ram and Sam in the ratio 2:3. The number of chocolates that Ram gets is							
	<b>A</b>	4	<b>B</b>	6	<b>C</b>	2	<b>D</b>	3
<b>Q.56</b>	Check whether the numbers 12, 24, 50, 100 are in proportion							
	<b>A</b>	Yes	<b>B</b>	No	<b>D</b>	Cannot be determined	<b>D</b>	Needs more information
<b>Q.57</b>	Which of the following is an equivalent ratio of 30 : 20?							
	<b>A</b>	3:20	<b>B</b>	30:2	<b>C</b>	24:16	<b>D</b>	20:30
<b>Q.58</b>	What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from 3 to 9							
	<b>A</b>	$\frac{1}{2}$	<b>B</b>	$\frac{1}{3}$	<b>C</b>	$\frac{3}{12}$	<b>D</b>	$\frac{5}{12}$
<b>Q.59</b>	What part of a revolution have you turned through if you stand facing South and turn clockwise to face west?							
	<b>A</b>	$\frac{1}{4}$	<b>B</b>	$\frac{1}{2}$	<b>C</b>	$\frac{3}{4}$	<b>D</b>	$\frac{1}{3}$
<b>Q.60</b>	When the sum of the measures of two angles is that of a straight angle and if one of them is acute then the other should be							
	<b>A</b>	acute	<b>B</b>	obtuse	<b>C</b>	right angle	<b>D</b>	straight angle
<b>Q.61</b>	Write as a decimal number: $2 \times 100 + 3 \times 10 + \frac{4}{10} + \frac{5}{1000}$							
	<b>A</b>	23.45	<b>B</b>	230.45	<b>C</b>	230.405	<b>D</b>	234.5

<b>Q.62</b>	<p>The graph shows the supply of school items provided to a student by the school. Observe the graph and answer the following questions:</p>						
	<p>i) Name the item that is supplied the maximum.</p> <p><b>A</b> pen      <b>B</b> Pencil      <b>C</b> sharpener      <b>D</b> scale</p>						
<p>ii) Name the item that is supplied minimum by the school.</p> <p><b>A</b> Scale      <b>B</b> eraser      <b>C</b> sharpener      <b>D</b> pen</p>							
<p>iii) How many more sharpeners are supplied than the number of erasers.</p> <p><b>A</b> 1      <b>B</b> 2      <b>C</b> 4      <b>D</b> 5</p>							
<p>iv) What is the sum of number of pencils and pens supplied by the school.</p> <p><b>A</b> 2      <b>B</b> 8      <b>C</b> 10      <b>D</b> 4</p>							
<p>v) What is the difference in number of pencils and erasers supplied by the school?</p> <p><b>A</b> 8      <b>B</b> 4      <b>C</b> 2      <b>D</b> 1</p>							
<p>vi) How many different items are supplied by the school to the students?</p> <p><b>A</b> 5      <b>B</b> 4      <b>C</b> 3      <b>D</b> 6</p>							
<b>Q. 63</b>	Which of the following rectangles with given length and breadth, cover the greatest area?						
<b>A</b>	L=7 cm B= 3 cm	<b>B</b>	L= 8 cm B = 2 cm	<b>C</b>	L = 4 cm B = 3 cm	<b>D</b>	L = 8 cm B = 3 cm
<b>Q.64</b>	The perimeter of an equilateral triangle with length of each side 7 cm is						
<b>A</b>	79 cm	<b>B</b>	14 cm	<b>C</b>	21 cm	<b>D</b>	28 cm
<b>Q.65</b>	Which of the following is not an example of a quadrilateral?						
<b>A</b>	square	<b>B</b>	rectangle	<b>C</b>	cuboid	<b>D</b>	rhombus



<b>Q. 66</b>	Neetu wants to put a lace around her new table cover. If the length and breadth of the table cover are 3 m and 2 m respectively, find the length of lace required.							
	<b>A</b>	6 m	<b>B</b>	5 m	<b>C</b>	10 m	<b>D</b>	8 m
<b>Q.67</b>	A floor is of area 20 sq. m. A square carpet of sides 3 m is laid on the floor. Find the area of the floor that is not carpeted.							
	<b>A</b>	9 sq. m	<b>B</b>	11 sq. m	<b>C</b>	10 sq. m	<b>D</b>	12 sq. m
<b>Answers</b>	<b>1</b>	C). 8 cm	<b>2</b>	A) 1:2	<b>3</b>	D). North	<b>4</b>	D). $x - 7$
	<b>5</b>	D). Scalene acute-angled triangle	<b>6</b>	C) $-4$	<b>7</b>	A) 1.9 kg	<b>8</b>	C) 2.46m
	<b>9</b>	C) 2.109	<b>10</b>	B) $3n$	<b>11</b>	A) 40 cm	<b>12</b>	D) $2 : 3$
	<b>13</b>	B) obtuse angle	<b>14</b>	C) 6 cm	<b>15</b>	B) $-40$	<b>16</b>	D) 8.55 km
	<b>17</b>	B). rectangle	<b>18</b>	D) $4900 \text{ m}^2$	<b>19</b>	A) 12 litres:24 litres & ₹50: ₹ 100	<b>20</b>	C) 5 litre
	<b>21</b>	B) 9 and 24	<b>22</b>	C) ₹100	<b>23</b>	A) $30 \text{ cm}:6\text{m} = 1\text{kg}:20\text{kg}$	<b>24</b>	8:7
	<b>25</b>	7:15	<b>26</b>	8:15	<b>27</b>	D) ₹ 3000	<b>28</b>	C) ₹ 5
	<b>29</b>	C) $\frac{1}{3}$	<b>30</b>	B) $-19$	<b>31</b>	C) 3 right angles	<b>32</b>	B) regular octagon
	<b>33</b>	D) cylinder	<b>34</b>	C) 7	<b>35</b>	$5v$	<b>36</b>	$3y + 9$
	<b>37</b>	$3h - 5$	<b>38</b>	C) $10y - 15$	<b>39</b>	D) scalene triangle	<b>40</b>	$2s - 12$
	<b>41</b>	a) 2020 b) 7 lakhs c) increase d) 2017 e) 6 lakhs	<b>42</b>	a) 100 people b) 11 am c) 60 people d) 10 am e) 20 f) 360	<b>43</b>	A) 35 cm	<b>44</b>	A) $-2$
	<b>45</b>	A) 14 subtracted from 2 times n	<b>46</b>	B) 25. 362	<b>47</b>	C) 8	<b>48</b>	B. 240 m
	<b>49</b>	C. 12 cm	<b>50</b>	D) 6 cm	<b>51</b>	A) 20 sq. m	<b>52</b>	D) ₹ 640
	<b>53</b>	B) $z = 8$	<b>54</b>	B) $m - 10 > 100$	<b>55</b>	A. 4	<b>56</b>	A. yes
	<b>57</b>	C. 24:16	<b>58</b>	A. $\frac{1}{2}$	<b>59</b>	A. $\frac{1}{4}$	<b>60</b>	B. Obtuse
	<b>61</b>	C. 230.405	<b>62</b>	i) B pencil ii)D. pen iii) A. 1 iv)C. 10 v)B. 4 vi) A. 5	<b>63</b>	D) $L = 8\text{cm}$ $B = 3 \text{ cm}$	<b>64</b>	C. 21 cm
	<b>65</b>	C. cuboid	<b>66</b>	C. 10 m	<b>67</b>	B. 11 sq m		
	<b>*Good Wishes for your Exam*</b>							