



INDIAN SCHOOL AL WADI AL KABIR
Final Examination Revision Worksheet (2022-23)

Class: VI

Sub: MATHEMATICS

Max Marks: 80

Instructions:

Section A: Multiple Choice Question (Q.1 to Q.5) & Source-based question (Q.6)

Section B: Short Answer Questions of 2 marks each (Q.7 to Q.15)

Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.16 to Q.23)

Section D: Long Answer Questions (Type– 2) (Q.24 to Q.28) & Case study Question (Q.29 & Q.30) 4 marks each

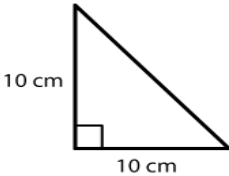
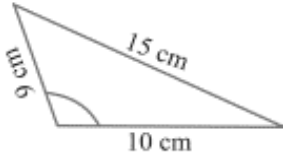
Section A: Multiple Choice Question (Q.1 to Q.5) of 1 mark each

Q1.	The ratio of 40 paise to 1 Rupee is							
	A	1 : 2	B	2 : 1	C	2 : 5	D	5 : 1
Q2.	Which direction will you face if you start facing west and make $\frac{3}{4}$ of a revolution clockwise?							
	A	South	B	West	C	East	D	North
Q3.	Ashish is 7 years younger than his sister Aditi. If Aditi is x years old, what is Ashish's age in terms of x?							
	A	x+7	B	7 – x	C	7x	D	x – 7
Q4.	Choose the biggest decimal number among these: 2.094, 2.009, 2.109 and 2.099							
	A	2.094	B	2.009	C	2.109	D	2.099
5Q.	The length of a rectangle is 12 cm and its breadth is 8 cm. Its perimeter in cm will be							
	A	40 cm	B	20 cm	C	96 cm	D	24 cm
Q6.	Source-based question: Kanika is a 'y' years old girl, who lives with her parents in a city. She is very excited to go to her grandparents' house during vacations. She is curious to know the ages of different members of her family there., find							
I	Her cousin's age, if he is 2 years younger.							



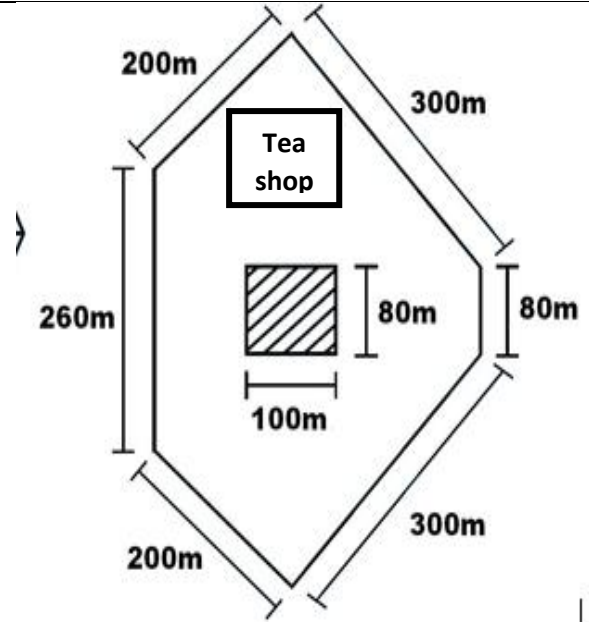
	A	$-y - 2$	B	$y - 2$	C	$y + 2$	D	$2y$
II	Her grandfather's age, as he exceeds her age by 55 years.							
	A	$y + 55$	B	$y - 55$	C	$55 - y$	D	$55y - 2$
III	Grandmother's age, if she is 3 years less than that of her grandfather.							
	A	$55y - 3$	B	$55 - 3$	C	$y + 52$	D	$y - 3$
IV	Her father's age is 2 more than 3 times her age.							
	A	$3y - 2$	B	$y + 3$	C	$3y - 3$	D	$3y + 2$
V	What will be her cousin's age after 7 years?							
	A	$y - 7$	B	$y + 5$	C	$5y - 2$	D	$y + 7$

Section B: Short Answer Questions (Type – 1) of 2 marks each (Q.7 to Q.15)

Q7.	Check whether 8, 9, 24, and 27 are in proportion.									
Q8.	Saurabh takes 15 minutes to reach school from his house and Sachin takes one hour to reach school from his house. Find the ratio of the time taken by Saurabh to the time taken by Sachin.									
Q9.	Complete the table. By inspecting the table, find the solution to the equation $3m + 5 = 20$.									
	<table border="1"> <tr> <td>m</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>$3m + 5$</td> <td></td> <td></td> <td></td> </tr> </table>	m	4	5	6	$3m + 5$				
m	4	5	6							
$3m + 5$										
Q10.	Translate each of the following statements into an equation, using x as the variable: (a) 13 added from twice a number gives 3. (b) 3 less than three times a number.									
Q11.	Name each of the following triangles in two different ways:	a)  b) 								
Q12.	Name the angle which is: (a) Less than one-fourth of a revolution (b) More than half a revolution (c) Half of a revolution (d) One-fourth of a revolution (e) Between $\frac{1}{4}$ and $\frac{1}{2}$ of a revolution (f) One complete revolution									

Q13.	Draw a circle of radius 3.2 cm.
Q14.	Radhika's mother gave her ₹1450.50 and her father gave her ₹1005.80 on her birthday find the total amount given to Radhika by the parents.
Q15.	Write each of the following as a decimal. (a) Three hundred six and seven-hundredths (b) Eleven point two three five
Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.16 to Q.23)	
Q16.	A machine prints 450 pages in 30 minutes. How much time will the machine take to print 750 pages?
Q17.	Draw $\angle POQ$ of measure 70° and find its line of symmetry.
Q18.	Bob wants to cover the floor of a room 300 cm wide and 400 cm long with squared tiles. If each square tile is of side 50 cm, then find the number of tiles required to cover the floor of the room.
Q19.	Construct with ruler and compasses, 90° angle.
Q20.	How many right angles do you make if you start facing (a) south and turn clockwise to the west? (b) North and turn anti-clockwise to the south? (c) west and turn to the west?
Q21.	Rahul bought 4 kg 90 g of apples, 2 kg 60 g of grapes and 5 kg 300 g of mangoes. Find the total weight of all the fruits he bought using the decimals.
Q22.	Do as directed: 1) Express using decimals: 12gm as a kilogram and 905 cm as a metre 2) Find the value of: $915.756 - 226.28$ 3) The number 0.125 can be written as fractions in the lowest terms
Q23.	Find the cost of ploughing the field of sides 125m and 150m at the rate of ₹5 per metre.
Section D: Long Answer Questions (Type – 2) (Q.24 to Q.28) & Case study (Q.29 &30) of 4 marks each	
Q24.	Draw a line segment of length 12.8 cm. Using compasses, divide it into four equal parts. Verify by actual measurement.
Q25.	There are 45 people working in the office. If the number of females is 25 and the remaining are males, find the ratio of: a) The number of females to the number of males. b) The number of females to the total number of people. c) If 5 men left the job, then the ratio of men to the number of females.

Q26.	Ramesh bought a square plot of side 150m. Adjacent to his Daniel bought a rectangular plot of a length of 160 m and a breadth of 140m. Find out which plot is bigger in area.
Q27.	Samson has to travel 205 km 265 m by train and 30 km 565 m by car to reach his house. David has to travel 245 km 765 m by bus and 3 km 135 m by walk to reach his house. How much distance did they travelled individually and also who had travelled more distance and by how much?
Q28.	Pick out the solution from the values given in the bracket to the equation. Show that the other values do not satisfy the equation. $2y - 4 = 8$ $(0, 6, -2, 3)$
Q29.	<p>CASE STUDY 1:</p> <p>Samira has newspapers stall at Janpath crossing daily in New Delhi. On a particular day, she sold 3012 newspapers, out of which 726 are in English 894 were in Hindi and the remaining were in Punjabi.</p> <p>Find the ratio of</p> <p>(a) the number of English newspapers to the number of Hindi newspapers.</p> <p>(b) the number of Hindi newspapers to the total number of newspapers.</p> <p>(c) the number of Punjabi newspapers to the total number of newspapers.</p> <p>(d) the number of Punjabi newspapers to the number of English newspapers.</p>
Q30.	<p>CASE STUDY 2:</p> <p>The map of the playground of Meena's school is shown in the figure. School management wants to paint the boundary. There is a basketball court and a square-shaped tea shop on the ground.</p> <p>(a) Find the perimeter of the playground.</p> <p>(b) Find the area of basketball with 100m and 80m length and breadth respectively.</p> <p>(c) Calculate the perimeter of the tea shop if the side length it is 25m.</p> <p>(d) Find the sitting area of tea shop.</p>



ANSWER KEY

Q1	C	Q2	B	Q3	D
Q4	C	Q5	40cm	Q6	I -B, II- A III-C IV- D V- B
Q7	yes	Q8	1:4	Q9	4-17 , 5- 20 , 6-23 Solution m= 5
Q10	a) $2x+13 = 3$ b) $3x - 3$	Q11	a) isosceles, right-angled triangle. b) Obtuse, scalene triangle	Q12	a- acute b- reflex c- straight d- right e-obtuse f- complete
Q13	-	Q14	₹2456.30	Q15	306.07, 11.235
Q16	50 minutes	Q17	-	Q18	48 tiles
Q19	-	Q20	a) 1 b) 2 c) 4	Q21	11kg 450g
Q22	1- 0.012 kg, 9.05m 2-689.476 3-1/8	Q23	₹93,750	Q24	-
Q25	a) 5:4 b) 5:9 c) 3:5	Q26	22500 m ² , 22400 m ² Ramesh	Q27	235.830, 248.900 David by 13.07
Q28	Y = 6 is the solution	Q29	a- 121:149 b-149:502 c) 116:251 d)232:121	Q30	a- 1340m b- 8000m ² c- 100m d-625m ²
