



**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
ANNUAL EXAMINATION 2018-19**



SUBJECT – MATHEMATICS - ANSWER KEY

CLASS: V

SECTION A

1(a)	The volume of a cube with side 8 cm. is <u>512</u> cu.cm.	
1(b)	4 kg 72 g = <u>4.072</u> kg.	
1(c)	The greater fraction among $\frac{5}{9}$ and $\frac{5}{12}$ is $\frac{5}{9}$.	
1(d)	200 seconds = <u>3</u> minutes and <u>20</u> seconds.	
1(e)	The sum of 17. 32 + 8 = <u>25.32</u> .	

MATCH THE FOLLOWING

<u>COLUMN A</u>		<u>COLUMN B</u>	
1(f)	Area of a Rectangle with length = 15 m and breadth = 10 m	(iv) 150 sq.m	
1(g)	One fourth of 360	(v) 90	
1(h)	$\frac{11}{3} + \frac{10}{3}$	(i) 7	
1(i)	9 kg + $\frac{1}{2}$ kg	(ii) 9500 g	
1(j)	$600 + 5 + \frac{7}{100}$	(iii) 605.07	

SECTION B

2	Find the length of a rectangular garden whose area is 360 sq.m and breadth is 12 m. <u>Answer</u> Area of the garden = 360 sq.m Breadth of the garden = 12 m Length = $\frac{\text{Area}}{\text{Breadth}} = \frac{360}{12} = 30$ m	
3	Subtract : 49 km 180 m from 56 km 230 m. <u>Answer</u> $\begin{array}{r} 56 \text{ km } 230 \text{ m} \\ - 49 \text{ km } 180 \text{ m} \\ \hline 7 \text{ km } 050 \text{ m} \end{array}$	

4.	<p>Which is greater ? $\frac{3}{4}$ of 48 or $\frac{2}{3}$ of 72</p> <p><u>Answer</u></p> $\frac{3}{4} \times 48 \quad \frac{2}{3} \times 72$ $3 \times 12 = 36 < 48$ $\frac{3}{4} \text{ of } 48 < \frac{2}{3} \text{ of } 72$	
5.	<p>Alisha cut 9.54 metres of ribbon into 6 equal pieces. What is the length of each piece ?.</p> <p><u>Answer</u></p> <p>Total length of Ribbon = 9.54m</p> <p>No. of pieces cut = 6</p> <p>Length of each piece = $9.54 \div 6 = 1.59$ m</p>	
6.	<p>Add: 15 minutes 20 seconds and 40 minutes 55 seconds.</p> <p><u>Answer</u></p> $\begin{array}{r} 15 \text{ min } 20 \text{ sec} + \\ 40 \text{ min } 55 \text{ sec} \\ \hline 55 \text{ min } 75 \text{ sec} - \\ \quad 60 \text{ sec} \\ \hline 56 \text{ min } 15 \text{ sec} \end{array}$	
<u>SECTION C</u>		
7.	<p>John's bag weighed 3 kg 80 g. Aman's bag weighed 5 kg 350 g. Whose bag weighed more and by how much?.</p> <p><u>Answer</u></p> <p>Weight of John's bag = 3 kg 80 g</p> <p>Weight of Aman's bag = 5 kg 350 g</p> <p>Aman's bag weighs more by 5 kg 350 g</p> $\begin{array}{r} 3 \text{ kg } 080 \text{ g} \\ 2 \text{ kg } 270 \text{ g} \\ \hline \end{array}$	
8.	<p>Write in fractional expanded form : 349.158</p> <p><u>Answer:</u> $349.158 = 300 + 40 + 9 + \frac{1}{10} + \frac{5}{100} + \frac{8}{1000}$</p>	
9.	<p>Add : 46 , 125.07, 9.243.</p> <p><u>Answer</u></p> $\begin{array}{r} 125.070 + \\ 46.000 \\ \hline 9.243 \\ \hline 180.313 \end{array}$	
10.	<p>The perimeter of a square garden is 400m. Find its area.</p> <p><u>Answer</u></p> <p>The perimeter of a square garden = 400m</p> <p>Side = $\frac{\text{Perimeter}}{4}$</p> $= \frac{400}{4}$ $= 100 \text{ m}$ <p>Area of square = side x side</p> $= 100 \times 100$ $= 10,000 \text{ sq.m}$	

11.	<p>Arrange in Ascending order : $\frac{1}{8}, \frac{5}{12}, \frac{2}{6}, \frac{3}{4}$</p> <p>L.C.M = 24</p> <p>LCM = $2 \times 2 \times 3 \times 2 \times 1$</p> <p>$\frac{3}{24}, \frac{10}{24}, \frac{8}{24}, \frac{18}{24}$</p> <p>$\frac{3}{24} < \frac{8}{24} < \frac{10}{24} < \frac{18}{24}$</p> <p>$\frac{1}{8} < \frac{2}{6} < \frac{5}{12} < \frac{3}{4}$</p>	
12.	<p>Solve : 3 l 450 ml + 27 l 210 ml + 8 l 50 ml.</p> <p><u>Answer</u></p> <p>3 l 450 ml + 27 l 210 ml <u>8 l 50 ml</u> 38 l 710 ml</p>	
13.	<p>Mohit jogged for $\frac{4}{5}$ km on Monday and $2\frac{3}{4}$ km on Tuesday. What is the total distance jogged by him in these two days?.</p> <p><u>Answer</u></p> <p>Distance jogged on Monday = $\frac{4}{5}$ km</p> <p>Distance jogged on Tuesday = $2\frac{3}{4}$ km</p> <p>= $\frac{11}{4}$ km.</p> <p>Total distance jogged by him in 2 days = $\frac{4}{5} + \frac{11}{4}$</p> <p>= $\frac{16}{20} + \frac{55}{20}$</p> <p>= $\frac{71}{20} = 3\frac{11}{20}$ km</p>	
14.	<p>Subtract 8 h 40 min – 3 h 50 min.</p> <p><u>Answer</u></p> <p>8 h 40 min – <u>3 h 50 min</u> 4 h 50 min</p>	
<u>SECTION D</u>		
15.	<p>The length and breadth of a rectangular hall is 10.6 m and 4 m. Find the cost of tiling the hall at Rs.100 oer sq.m.</p> <p><u>Answer</u></p> <p>Length of the hall = 10.6 m</p> <p>Breadth of the hall = 4 m</p> <p>Area of the hall = L × b</p> <p>= 10.6×4</p> <p>= 42.4 sq.m</p> <p>Cost of tiling the hall per sq.m = Rs.100 per sq.m</p> <p>Total cost of tiling = Rs.100 × 42.4</p> <p>=Rs. 4240</p>	
16.	<p>Arrange in Descending order : 6.350, 6.053, 6.503, 6.305</p> <p><u>Answer</u> : 6.503 > 6.350 > 6.305 > 6.053</p>	

17.	<p>Students of class V went for a picnic at 9.30 a.m. If they returned at 7.15 pm, how long did the picnic last?</p> <p><u>Answer</u> Starting time of the picnic = 9.30 AM Finishing time of the picnic = 7.15 PM Duration of the picnic = Finishing time – starting time 7.15 pm = 19.15</p> <table><tr><td><u>Hours</u></td><td><u>Minutes</u></td></tr><tr><td>19</td><td>15</td></tr><tr><td>9</td><td>30</td></tr><tr><td>9 hrs</td><td>45 min</td></tr></table>	<u>Hours</u>	<u>Minutes</u>	19	15	9	30	9 hrs	45 min	
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19	15									
9	30									
9 hrs	45 min									
18.	<p>Rohit bought a book for Rs.145.50, a pen for Rs.26.25 and a bag for Rs.95.75. If he gives the shopkeeper Rs.500, how much money will he get back?</p> <p><u>Answer</u> Cost of the book = Rs.145.50 + Cost of the pen = Rs. 26.25 Cost of the bag = <u>Rs. 95.75</u> Total Cost = <u>Rs. 267.50</u></p> <p>Amount given to the shopkeeper = Rs.500.00 – Total cost = <u>Rs.267.50</u> Amount got back = <u>Rs.232.50</u></p>									
19.	<p>Leena travelled 16 km 215 m by car, 10 km by bus and 2 km 915 m on foot. Find the total distance travelled by her.</p> <p><u>Answer</u> Distance travelled by car = 16 km 215 m + Distance travelled by bus = 10 km 000 m Distance travelled by foot = <u>2 km 915 m</u> Total distance travelled = <u>29 km 130 m</u></p>									
20.	<p>Find the sum of $2\frac{1}{3} + 3\frac{1}{5} + \frac{13}{10}$</p> <p><u>Answer</u> $\frac{7}{3} + \frac{16}{5} + \frac{13}{10}$ LCM = 30 $\frac{70}{30} + \frac{96}{30} + \frac{39}{30}$ $= \frac{205}{30} = \frac{41}{6} = 6\frac{5}{6}$</p>									
21.	<p>A brick has a length of 18 cm, breadth of 6 cm and height of 5 cm. What is the volume of the brick. Also find the volume of 10 such bricks?</p> <p><u>Answer</u> Length of the brick = 18 cm Breadth of the brick = 6 cm Height of the brick = 5 cm Volume of the brick = $L \times b \times h$ $= 18 \times 6 \times 5$ $= 540 \text{ cu.cm}$ Volume of 10 bricks = $540 \times 10 = 5400 \text{ cu.cm}$</p>									

22.	<p>Find the value of 7 kg + 185.75 kg + 4 kg 150 g.</p> <p><u>Answer</u></p> $\begin{array}{r} 7.000 \text{ kg} + \\ 185.750 \text{ kg} \\ 4.150 \text{ kg} \\ \hline 196.900 \text{ kg} \end{array}$	
23.	<p>Sonu bought $6\frac{2}{5}$ l of milk. He consumed $2\frac{1}{2}$ l of it. How much milk is left with him ?</p> <p><u>Answer</u></p> <p>Qty of milk bought = $6\frac{2}{5} \text{ l} = \frac{32}{5} \text{ l}$</p> <p>Qty consumed = $2\frac{1}{2} = \frac{5}{2}$</p> <p>Qty left with him = $\frac{32}{5} - \frac{5}{2} = \frac{64 - 25}{10}$</p> <p>$= \frac{39}{10} = 3\frac{9}{10} \text{ l}$</p>	