



OSDAV Public School, Kaithal

July Test (2024)

Class :VI

Subject : Mathematics

Set- B

M.M. : 30

Time: 1hr 10 min.

General Instructions:-

I. All questions are compulsory.

II. Read the questions carefully and answer them on the answer sheet.

Q. No	Questions	Marks
1.	Fill in the blanks : The predecessor of 34,68,000 is _____.	1
2.	_____ is the smallest whole number.	1
3	Is 2365 divisible by 4 ? (yes/No)	1
4	Convert XLV into Hindu Arabic numerals.	1
5	Assertion (A) 11 and 13 are twin prime numbers. Reason(R) The two prime numbers whose difference is 2 are called twin prime numbers. i) Both A and R are True and R is the correct explanation of A. ii) Both A and R are True but R is not the correct explanation of A. iii) A is true but R is false. iv) R is true but A is false	1
6	Write the roman numeral for the following: i) 76 ii) 53	2
7	Add the following numbers by rearranging them.(Use property) 488+176+512+324	2
8	Find the value by using distributive property 239 X 108 - 239 X 8	2
9	Find the prime factorisation of 284 by division method.	2
10	Estimate the product 647 X 298	2
11	Find the least number that should be added to 1500 so that 45 divides the sum exactly.	3
12	Apply the divisibility rule and test the divisibility by 11 for the given number 564832	3
13	In a godown there are 59,830 bags of sugar. Out of these 34,987 bags of sugar were sold. How many bags of sugar were left?	3
14	Simplify the following numerical expression: $29 - [17 - \{ 24 \div 6 + (5 + 3 \times 2) \}]$	3
15	Rearrange the numbers and multiply them. 125 X 625 X 8 X 16	3



OSDAV Public School, Kaithal

Ans Key PT-2 (July,2024)

Set: A

Class : VI

Subject : Maths

Time: 1 hr 10 min.

M.M. : 30

Note:

- Any other relevant answer, not given here but given by the candidates, be suitably awarded.

Q.No.	Questions	Marks
1	22,02,100	1
2	2	1
3	Yes	1
4	94	1
5	iv) R is true but A is false.	1
6	i) LXVII ii) XXXV	1+1
7	$=(946+254) + (179+821)$ $=1200 + 1000$ $=2200$	½ each step
8	216×103 $=216 \times (100+3)$ $=216 \times 100 + 216 \times 3$ $=21600+648$ $=22248$	½ each step
9	$\begin{array}{r} 2 \overline{) 360} \\ \underline{2 } \\ 2 \\ \underline{2 } \\ 5 \\ \underline{3 } \\ 3 \\ \underline{3 } \\ 1 \end{array}$ <p>P.F. of 360= 2x2x2x5x3x3</p>	½ each step
10	2647 is rounded off to =3000 4298 is rounded off to =4000 Estimated sum = 7000	½ + ½ + 1
11	$\begin{array}{r} 35 \overline{) 1800} \\ \underline{105} \\ 750 \\ \underline{700} \\ 50 \\ \underline{35} \\ 15 \end{array}$ <p>Ans 15 is the least number that should be subtracted.</p>	1+1+1
12	Sum of all the digits = 8+3+2+5+4+1=23 No, the number is not divisible by 3 and 9 because 23 is not divisible by 3 and 9.	1+1+1
13	Cost of 1 pant= ₹984 Cost of 6 pants= 984x6 Cost of 1 shirt= ₹516	1+½ each

	<p>Cost of 6 shirts= 516×6 Total money spent by Rohan= $984 \times 6 + 516 \times 6$ $= 6 \times (984 + 516)$ $= 6 \times 1500$ $= 9000$ Ans= ₹9000</p>	
14	<p>$= 3 \times [12 + 4 - \{7 - (6 - 4)\}]$ $= 3 \times [12 + 4 - \{7 - 2\}]$ $= 3 \times [12 + 4 - 5]$ $= 3 \times [16 - 5]$ $= 3 \times 11$ $= 33$</p>	$\frac{1}{2}$ each step
15	<p>$= (25 \times 40) \times (625 \times 16)$ $= 1000 \times 10000$ $= 10000000$</p>	1+1 + 1



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Q.No.	Questions	Marks
1	34,67,999	1
2	0	1
3	No	1
4	45	1
5	i) Both A and R are true and R is the correct explanation of A	1
6	i) LXXVI ii) LIII	1+1
7	$=(488+512) + (176+324)$ $=1000+500$ $=1500$	½ each step
8	$=239 \times (108-8)$ $=239 \times 100$ $=23900$	1+½ +½
9	$\begin{array}{r} 2 \ 284 \\ \times \ 2 \ 142 \\ \hline 71 \ 71 \\ \times \ 1 \\ \hline \end{array}$ <p>P.F. of 284= 2x2x71</p>	½ each step
10	<p>647 is rounded off to=600 298 is rounded off to=300 Estimated product= 600x300=180000</p>	½ +½ +1
11	$\begin{array}{r} 45 \ \sqrt{1500} \ 33 \\ -135 \\ \hline 0150 \\ -135 \\ \hline 15 \end{array}$ <p>The required number= 45-15=30 Ans= 30 is the least number that should be added.</p>	1+1+1
12	<p>Sum of digits at odd places= 6+8+2=16 Sum of digits at even places= 5+4+3=12 Difference =4 No, the number is not divisible by 11 because 4 is not divisible by 11.</p>	1+1+1
14	$=29-[17-\{24 \div 6+(5+6)\}]$ $=29-[17-\{24 \div 6+11\}]$ $=29-[17-\{4+11\}]$ $=29-[17-15]$ $=29-2$ $=27$	½ each step

15	=(125x8)x(625x16) =1000x10000 10000000	1+1+1
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