

Q1) Write the following in Expand form.

- 1) $3042 = 3 \text{ thousand} + 0 \text{ hundred} + 4 \text{ tens} + 2 \text{ ones}.$
- 2) $97153 = 9 \text{ ten thousands} + 7 \text{ thousands} + 1 \text{ hundreds} + 5 \text{ tens} + 3 \text{ ones}$
- 3) $2746 = 2 \text{ thousands} + 7 \text{ hundreds} + 4 \text{ tens} + 6 \text{ ones}$

Q2) Write the predecessor and successor of the following.

	Predecessor	Successor
1) 837410-	837409	837411
2) 700000-	699999	700001
3) 99999-	99998	100000
4) 210008-	210007	210009
5) 867428-	867427	867429

Q3) Write the following in short form.

- 1) $2,00,000 + 30,000 + 700 + 40 + 5 = 230745$
- 2) $8 \text{ lakhs} + 7 \text{ ten thousands} + 4 \text{ thousands} + 3 \text{ ones} = 874003$

Q4) Fill in the blanks.

- 1) $100 \text{ thousands} = 1 \text{ lakh}$
- 2) $700 \text{ thousands} = 7 \text{ lakhs}.$
- 3) $4 \text{ hundred thousands} = 4 \text{ lakhs}.$
- 4) $6 \text{ lakhs} = 6 \text{ hundred thousands}.$
- 5) $14638 + 0 = 14638$
- 6) $1 + 83647 = 83648$
- 7) $9 + 32748 = 32748 + 9$
- 8) $28499 + 1 = 28500$
- 9) $\text{Subtrahend} + \text{Difference} = \text{Minuend}$

10) Minuend – difference = Subtrahend

11) $800000 - 1 = 799999$

12) In $32 \times 7 = 224$; 32 is the multiplicand, 7 is the multiplier and 224 is the product .

13) The product of a multiplication with '0' as the multiplier is always 0

14) Any number multiplied by 1 is the number itself.

15) $5727 \times 263 = 263 \times 5727$

Q5) Arrange the following numbers in Ascending and Descending order.

1) 3,73,493 ; 73,943 ; 3,73,349 ; 3,73,439 ; 3,37,493

Ascending- $3,37,493 < 3,73,349 < 3,73,439 < 3,73,493 < 73,943$

Descending- $73,943 > 3,73,493 > 3,73,439 > 3,73,349 > 3,37,493$

2) 7,25,845 ; 7,25,548 ; 7,25,854 ; 7,25,584 ; 7,25,485

Ascending- $7,25,485 < 7,25,548 < 7,25,584 < 7,25,845 < 7,25,854$

Descending- $7,25,854 > 7,25,845 > 7,25,584 > 7,25,548 > 7,25,485$

Q6) Add.

1)

	L	TTH	TH	H	T	O
	3		0	9	5	6
+	1		8	0	3	2
	4		8	9	8	8

2)

	L	TTH	TH	H	T	O
	1	3	4	0	0	3
+		4	3	6	1	3
+	5	1	0	2	7	1
	6	8	7	8	8	7

3)

	L	TTH	TH	H	T	O
	4		1	0	8	5
+	2		8	6	0	3
	6		9	6	8	8

4)

	L	TTH	TH	H	T	O
	7	6	5	0	4	6
+	1	1	2	1	3	1
+	1	0	1	8	0	2
	9	7	8	9	7	9

Q7) Solve the following . Write the total in words.

1) $183470 + 28169$

$$\begin{array}{r} 183470 \\ + 28169 \\ \hline \end{array}$$

211639 Two Lakhs eleven thousands six hundred thirty-nine.

2) $241136 + 638740$

$$\begin{array}{r} 241136 \\ + 638740 \\ \hline \end{array}$$

879876 - Eight lakhs seventy – nine thousand eight hundred seventy-six.

3) $283763 + 469816 + 65932$

$$\begin{array}{r} 283763 \\ + 469816 \\ + 65932 \\ \hline \end{array}$$

819511 – Eight lakhs nineteen thousands five hundred eleven.

4) $633054 + 138214$

$$\begin{array}{r} 633054 \\ + 138214 \\ \hline \end{array}$$

771268 - Seven lakhs seventy-one thousand two-hundred sixty-eight.

Q8) Write the numbers in columns and subtract.

1) $628947 - 23416$

$$\begin{array}{r} 628947 \\ - 23416 \\ \hline 605531 \end{array}$$

2) $304963 - 201432$

$$\begin{array}{r} 304963 \\ - 201432 \\ \hline 103531 \end{array}$$

3) $862715 - 432402$

$$\begin{array}{r} 862715 \\ - 432402 \\ \hline 430313 \end{array}$$

Q9)

Write the quotient and remainder in each case.

- 1) $8374 \div 10 = \text{Quotient} = 837, \text{Remainder} = 4$
- 2) $931000 \div 1000 = \text{Quotient} = 931, \text{Remainder} = 0$
- 3) $68193 \div 100 = \text{Quotient} = 681, \text{Remainder} = 93$
- 4) $964738 \div 100 = \text{Quotient} = 9647, \text{Remainder} = 38$
- 5) $16018 \div 10 = \text{Quotient} = 1601, \text{Remainder} = 8$
- 6) $490100 \div 1000 = \text{Quotient} = 490, \text{Remainder} = 100$
- 7) $390176 \div 10 = \text{Quotient} = 39017, \text{Remainder} = 6$
- 8) $6837 \div 1000 = \text{Quotient} = 6, \text{Remainder} = 837$
- 9) $87300 \div 100 = \text{Quotient} = 873, \text{Remainder} = 0$
- 10) $1324 \div 1000 = \text{Quotient} = 1, \text{Remainder} = 324$
- 11) $76433 \div 10 = \text{Quotient} = 7643, \text{Remainder} = 3$
- 12) $512 \div 10 = \text{Quotient} = 51, \text{Remainder} = 2$
- 13) $881 \div 4 = \text{Quotient} = 220, \text{Remainder} = 1$

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- 14) $80839 \div 7 = \text{Quotient} = 11548, \text{Remainder} = 3$
- 15) $25342 \div 20 = \text{Quotient} = 1267, \text{Remainder} = 2$

(16) $21189 \div 51$

415	
51 $\overline{) 21189}$	
-204	
78	
-51	
279	
-255	
24	

Quotient = 415
Remainder = 24

Q10.)

A) Find the difference.

1)

	L	TTh	Th	H	T	O
	⁸ 9	¹⁷ 8	¹⁴ 5	¹² 3	10	4
-	7	8	6	7	8	1
	1	9	8	5	2	3

2)

	L	TTh	Th	H	T	O
	⁷ 8	¹² 3	¹⁶ 7	¹³ 4	¹² 2	9
-		5	9	6	8	3
	7	7	7	7	4	6

3)

	L	TTh	Th	H	T	O
	² 3	¹² 2	4	⁸ 9	¹¹ 1	6
-	2	7	3	4	8	0
	0	5	1	4	3	6

4)

	L	TTh	Th	H	T	O
	⁵ 6	¹⁴ 5	¹² 3	¹¹ 2	¹¹ 1	6
-	3	9	3	6	4	1
	2	5	9	5	7	5

Q11.)

Put (✓) for the correct answer and (X) for the incorrect answer.
Then rewrite the correct answer for the incorrect ones.

1)	14×6000	=	84000	☒	
2)	2800×7	=	1960	☒	19600
3)	140×300	=	42000	☒	
4)	32×700	=	22400	☒	
5)	750×960	=	7200	☒	720000
6)	101×100	=	10100	☒	

Q12.)

A) Multiply.

1)

1	2	4	3	2	2	
x					2	
	2	4	8	6	4	4

2)

3	2	1	1	2	
x				3	
	9	6	3	3	6

3)

1	0	2	2	0	
x				4	
	4	0	8	8	0

4)

2	1	3	0	2		
x				1	3	
	2	6	3	9	0	6
	2	7	6	9	2	6

5)

4	0	1	2		
x			2	2	
	8	0	2	4	
	8	0	2	4	X
	8	8	2	6	4

6)

2	2	1	0			
x				3	2	0
	0	0	0	0		
	4	4	2	0	X	
	6	6	3	0	X	
	7	0	7	2	0	0

Q13.)

Solve and write the quotient and remainder.

1) $843745 \div 5$

2) $214837 \div 6$

Ex - 5.2

(1) $5 \overline{) 843745}$

Quotient = 168749
Remainder = 0

(2) $6 \overline{) 214837}$

Quotient = 35806
Remainder = 1

3) $970104 \div 9 = Q = 107789, R = 3$

4) $864906 \div 12$

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$$\begin{array}{r}
 72075 \\
 12 \overline{) 864906} \\
 \underline{-84} \\
 24 \\
 \underline{-24} \\
 0090 \\
 \underline{-84} \\
 66 \\
 \underline{-60} \\
 06
 \end{array}$$

Quotient = 72075
Remainder = 6

5) $390418 \div 13$, Q = 30032, R = 2

6) $598104 \div 14$

$$\begin{array}{r}
 42721 \\
 14 \overline{) 598104} \\
 \underline{-56} \\
 38 \\
 \underline{-28} \\
 101 \\
 \underline{-98} \\
 30 \\
 \underline{-28} \\
 24 \\
 \underline{-14} \\
 10
 \end{array}$$

Quotient = 42721
Remainder = 10

7) $267359 \div 625$

$$\begin{array}{r}
 427 \\
 625 \overline{) 267359} \\
 \underline{-2500} \\
 01735 \\
 \underline{-1250} \\
 04859 \\
 \underline{-4375} \\
 484
 \end{array}$$

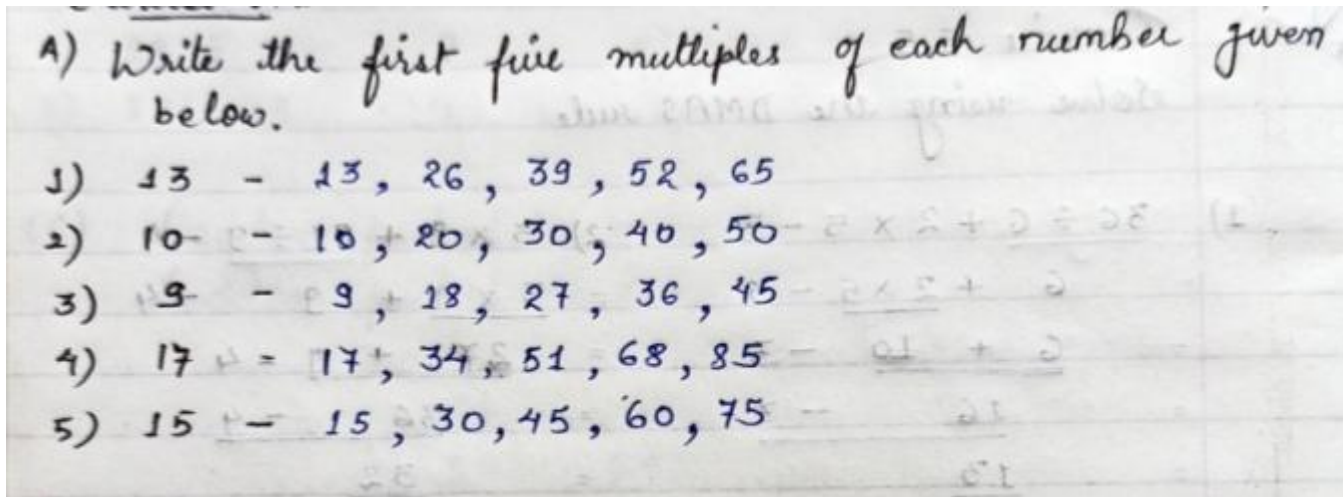
Q = 427
R = 484

8) $538701 \div 480$

$$\begin{array}{r}
 1122 \\
 480 \overline{) 538701} \\
 \underline{-480} \\
 0587 \\
 \underline{-480} \\
 1070 \\
 \underline{-960} \\
 1101 \\
 \underline{-960} \\
 141
 \end{array}$$

Q = 1122
R = 141

Q14.)



Q15.)

A) Answer the following using 'Yes' or 'No'.

1) $8 \times 3 = 24$; 24 is a multiple of 8 and 3.
 $\therefore$ 8 and 3 are the factors of 24. Yes

2) One is the factor of every number. Yes

3) The greatest factor of every number is the number itself. Yes

4) When a factor is divided by the number, there is always a remainder. No

5) 7 is a factor of 49. Yes

B) Circle the following:

1) Factors of 56:

(2), (7), 6, 5, 10, 3, (8)

2) Factors of 18:

(3), (2), 7, (9), 4, (18), (6)



Q16.) Fill in the boxes with $<$, $>$, $=$ sign

- 1) 2,18,942 $>$ 2,18,924
- 2) 3,47,593 $<$ 3,47,634
- 3) 5,83,207 $<$ 5,93,602
- 4) 8,31,471 $>$ 8,31,417

Q17.) Write the following numbers in words.

- 1) 8,37,400- Eight lakhs ,thirty-seven thousand, four hundred.
- 2) 6,50,170- Six lakhs,fifty thousand,one hundred seventy.
- 3) 37,406- Thirty seven thousand,four hundred six.
- 4) 9,00,700- Nine lakhs , seven hundred.
- 5) 6,93,000- Six lakhs , ninety-three thousand.

Q18.) Word problems.

- 1) The population of New Zealand is 376045 and the population of Switzerland is 290647. What is the total population of these two countries?

Sol:- Population of New Zealand = 3 7 6 0 4 5

Population of Switzerland = 2 9 0 6 4 7

Total Population =
$$\begin{array}{r} 376045 \\ + 290647 \\ \hline 666692 \end{array}$$

So, the total population of two countries is 666692.

- 2) If 139406 is added to a number, we get the sum 861704. What is the number?

Sol:- Sum = 8 6 1 7 0 4

Addend (1) = - 1 3 9 4 0 6

Addend (2) Ans:- 7 2 2 2 9 8

- 3) An orchard had 634910 trees altogether. Out of that 218015 were apple trees, 301786 were mango trees and the rest were banana trees. How many banana trees did the orchard have?

Sol:- Apple trees = 2 1 8 0 1 5 Total trees = 634910

Mango trees = + 3 0 1 7 8 6 Apple and Mango trees = - 519801

5 1 9 8 0 1 Banana trees = 115109

So, Banana trees = 115109

- 4) Find the difference between the smallest 6-digit number and the largest 4-digit number.

Sol:- Smallest 6-digit number = 100000

Largest 4-digit number = - 9999

Difference = 90001

5) A factory produced 273940 toys in the 1st year, 26187 toys in the 2nd year and 410382 toys in the 3rd year. What is the total production of the factory in three years.

Sol:- Toys produced in 1st year = 2 7 3 9 4 0
Toys produced in 2nd year = 2 6 1 8 7
Toys produced in 3rd year = + 4 1 0 3 8 2
Total toys produced = 7 1 0 5 0 9

So, the total production of the factory in the three years is 7,10,509.

6) A number when divided by 38 gives 247 as quotient and 3 as remainder. Find the number.

Sol:- Given – Divisor = 38
Quotient = 247
Remainder = 3
Number (Dividend) = ?

Dividend = Divisor x Quotient + Remainder
= $38 \times 247 + 3$
= $9386 + 3$
= 9389

So, Number = 9389

7) There are 375 toffees in a tin. How many toffees will be there in 632 such tins?

Sol:- Toffees in 1 tin = 375
Toffees in 632 tins = 375×632
= 2,37,000 toffees.

8) 240 Eggs are to be packed in trays with 12 eggs in each tray . How many trays will be required?

Sol:- Eggs = 24012

Eggs in each tray = 12

So, Trays will be require = $240 \div 12$
= 20 trays

9) How many dozens = 11544 ? (Hint : 1 dozen = 12)

Sol:- 1 Dozen = 12

Total = 11544

So, Numbers of Dozens = $11544 \div 12$
= 962 Dozens

10) 334715 boys and 427861 girls took part in a Competition . Out of which 596831 participants won a prize. How many participants did not win ?

Sol:- Boys took part in a competition = 334715

Girls took part in a competiton = + 427861

Total participants = 762576

Participants won a prize = - 596831

So,participant did not win a prize = 165745