1 Revision

1. Write the following numbers in digits :

Ans.
(a) Nine hundred eight = **908**
(b) Four hundred four = **404**
(c) Three hundred thirteen = **313**
(d) Nine hundred ninety-nine = **999**
(e) Seven hundred forty-five = **745**
(f) Two hundred thirty-four = **234**

2. Write the following in words :

Ans.
(a) Six hundred eighty-four
(b) Seven hundred forty-five
(c) Nine hundred ninety-nine
(d) Three hundred thirteen
(e) Four hundred four
(f) Nine hundred eight

3. Fill in the boxes with correct symbol (< or >) :

Ans.
(a) 98 > 75 (b) 316 > 285
(c) 812 > 513 (d) 603 < 888
(e) 55 < 888 (f) 420 < 530
(g) 927 > 416 (h) 555 > 450

4. Fill in the boxes with correct numbers :

Ans.
(a) One less than 744 is **743**
(b) One more than 415 is **416**
(c) One less than 699 is **698**
(d) One more than 789 is **790**
(e) One less than 55 is **54**
(f) One more than 318 is **319**

5. Note the pattern and fill in the blanks :

Ans.
(a) 327, 337, 347, **357, 367, 377, 387, 397, 407**
(b) 535 530, 525, **520, 515, 510, 505, 500, 495**
(c) 160, 170, 180, **190, 200, 210, 220, 230, 240**
(d) 111, 116, 121, **126, 131, 136, 141, 146, 151**
(e) 16, 18, 20, **22, 24, 26, 28, 30, 32,**

6. Write the following numerals in decreasing order :

Ans.
(a) 540, 504, 450, 405, 54, 45
(b) 960, 690, 609, 607, 96, 69
(c) 643, 634, 463, 436, 364, 346

7. Write the following numerals in increasing order :

Ans.
(a) 55, 500, 505, 550, 555,
(b) 19, 90, 91, 109, 901,
(c) 378, 387, 738, 837, 873

8. Write the numerals for each of the following :

Ans.
(a) 4 hundreds 7 tens 5 ones = **475**
(b) 5 hundreds 3 tens 2 ones = **532**
(c) 8 hundreds 9 tens 4 ones = **894**
(d) 6 hundreds 9 tens 9 ones = **699**
(e) 7 hundreds 7 tens 7 ones = **777**

9. Write hundreds, tens and ones in the boxes :

Ans.
(a) 557 = **5** hundreds + **5** tens + **7** ones
(b) 722 = **7** hundreds + **2** tens + **2** ones
(c) 335 = **3** hundreds + **3** tens + **5** ones
(d) 838 = **8** hundreds + **3** tens + **8** ones
(e) 299 = **2** hundreds + **9** tens + **9** ones

10. How many numerals are there in total having 3 digits?

Ans. Nine hundred.

11. In the following numbers, indicate the odd numbers by drawing a circle :

Ans.
(a) **13** , 14 , **15**, 16, **17** , 18, **19** , 20, **21** , 22
(b) **1** , 2, **3** , 4, **5** , 6, **7** , 8, **9** , 10
(c) 64, **65** , 66, **67** , 68, **69** , 70, **71** , 72, **73**
(d) 10, 16, **21** , 24, **25** , **29** , 32, 36, **39** , **43**

12. In the following numbers, indicate the even numbers by drawing a circle :

Ans.
(a) 1, **2** , 3, **4** , 5, **6** , 7, **8** , 9, **10**
(b) 11, **12** , 13, **14** , 15, **16** , 17, **18** , 19, **20**
(c) 21, **22** , 23, **24** , 25, **26** , 27, **28** , 29, **30**
(d) 31, **32** , 33, **34** , 35, **36** , 37, **38** , 39, **40**

13. Complete the following :

Ans.
(a) 50 cm = **500** mmn
(b) 7 metre = **700** cm
(c) 1 cm = **10** mm
(d) 500 cm = **5** m
(e) 300 mm = **30** cm
(f) 8 cm = **80** mm
(g) 100 mm = **10** cm

(h) 1 metre = **100** cm
(i) 2 cm = **20** mm
(j) 40 cm = **400** mm

14. Fill in the boxes :

Ans. (a) 1 year = **365** days
(b) 1 day = **24** hours
(c) 1 minute = **60** seconds
(d) 1 week = **7** days
(e) 3 hours = **180** minutes
(f) 1 hour = **60** minutes
(g) 1 year has **52** Sundays

15. Fill in the boxes :

Ans. (a) The numbers of days in the month of January 2011 is **31**
(b) The name of the day on 1st January 2011 is **Saturday**
(c) The numbers of days in the month of December is **31**
(d) The fifth month of the year is **May**
(e) The month before April is **March**
(f) The month after November is **December**
(g) The total number of weeks in the year 2011 is **52**
(h) The total number of weeks in a month **4**
(i) The number of days in the month of February of year 2011 is **28**
(j) The number of Mondays in 2011 is **52**

16. Add the following :

Ans.

(a) carry 1: 4 7 + 3 3 = 8 0
(b) carry 1: 8 9 + 2 4 = 1 1 3
(c) 3 3 + 6 6 = 9 9
(d) carry 1: 5 4 3 + 3 3 9 = 8 8 2
(e) carry 1: 4 7 5 + 3 1 5 = 7 9 0
(f) carry 1: 9 0 3 + 7 4 + 3 = 9 8 0
(g) carry 1 1: 4 4 5 + 8 4 + 8 = 5 3 7
(h) carry 1 2: 2 9 9 + 7 9 + 9 = 3 8 7
(i) carry 1 1: 3 4 7 + 2 4 9 + 1 1 8 = 7 1 4
(j) carry 1 1: 4 3 5 + 7 4 + 2 = 5 1 1
(k) carry 1 2: 2 4 9 + 7 3 + 9 = 3 3 1
(l) carry 1 1: 3 6 7 + 2 4 9 + 1 1 2 = 7 2 8

17. Find the Sum :

Ans. (a) 111 + 166 + 333 = **610**
(b) 119 + 211 + 204 = **534**
(c) 147 + 223 + 149 = **519**
(d) 264 + 235 + 260 = **759**
(e) 478 + 38 + 178 = **694**
(f) 439 + 351 + 181 = **971**
(g) 404 + 304 + 204 = **912**
(h) 200 + 400 + 200 = **800**
(i) 344 + 244 + 244 = **832**

18. Subtract the following :

Ans.

(a) 5 3 2 − 4 7 9 = 5 3
(b) 5 0 0 − 1 9 6 = 3 0 4
(c) 2 0 4 − 1 8 7 = 1 7
(d) 5 9 3 − 1 6 5 = 4 2 8
(e) 4 5 0 − 2 4 2 = 2 0 8

19. Simplify the following :

Ans.

(a) borrow 5 11 15: 6 2 5 − 3 8 6 = 2 3 9
625 − 386 = **239**

(b) borrow 3 9 10: 4 0 0 − 2 6 3 = 1 3 7
400 − 263 = **137**

(c) borrow 8 12: 9 2 9 − 3 4 5 = 5 8 4
929 − 345 = **584**

(d) 8 0 3 − 7 0 3 = 1 0 0
803 − 703 = **100**

(e) 9 1 7 − 1 1 3 = 8 0 4
917 − 113 = **804**

(f) 7 0 0 − 2 0 0 = 5 0 0
700 − 200 = **500**

20. Fill in the boxes :

Ans. (a) 2 + 2 + 2 + 2 = 4 × **2**
(b) 5 + 5 + 5 + 5 + 5 = **5** × 5
(c) 8 + 8 + 8 + 8 = **4** × 8
(d) 10 + 10 + 10 + 10 = **4** × 10
(e) 9 × 9 = **81**

21. Put the appropriate signs (+, = or ×) in each :

Ans. (a) 8 × 10 = 10 **×** 8 (b) 4 × 9 = 9 **×** 4
(c) 7 **×** 5 **=** 5 × 7 (d) 6 **+** 5 = 11
(e) 1 **+** 9 = 10 (f) 3 **×** 8 = 24
(g) 3 **×** 4 = 12 (h) 7 **+** 3 = 10

22. Multiply the following :

Ans.

(a) 8 1 × 9 = 7 2 9
(b) 9 9 × 1 = 9 9
(c) 7 3 × 8 = 5 8 4

d
$$\begin{array}{r} 114 \\ \times\ 5 \\ \hline 570 \end{array}$$

e
$$\begin{array}{r} 137 \\ \times\ 5 \\ \hline 685 \end{array}$$

f
$$\begin{array}{r} 361 \\ \times\ 2 \\ \hline 722 \end{array}$$

g
$$\begin{array}{r} 102 \\ \times\ 9 \\ \hline 918 \end{array}$$

h
$$\begin{array}{r} 120 \\ \times\ 5 \\ \hline 600 \end{array}$$

i
$$\begin{array}{r} 217 \\ \times\ 3 \\ \hline 651 \end{array}$$

j
$$\begin{array}{r} 321 \\ \times\ 2 \\ \hline 642 \end{array}$$

k
$$\begin{array}{r} 212 \\ \times\ 3 \\ \hline 636 \end{array}$$

l
$$\begin{array}{r} 123 \\ \times\ 3 \\ \hline 369 \end{array}$$

23. Write down the tables of 17 and 19 :

Ans.

17 × 1 = **17**	19 × 1 = **19**
17 × 2 = **34**	19 × 2 = **38**
17 × 3 = **51**	19 × 3 = **57**
17 × 4 = **68**	19 × 4 = **76**
17 × 5 = **85**	19 × 5 = **95**
17 × 6 = **102**	19 × 6 = **114**
17 × 7 = **119**	19 × 7 = **133**
17 × 8 = **136**	19 × 8 = **152**
17 × 9 = **153**	19 × 9 = **171**
17 × 10 = **170**	19 × 10 = **190**

24. A book seller sold 232 books on the first day, 597 books on the second day. How many books did he sell in these two days?

Ans. Books sold on the first day = 232
Books sold on the second day = 597
Total books sold = 232 + 597
= 829 **Ans.**

$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ 232 \\ +\ 597 \\ \hline 829 \end{array}$$

25. The distance between a railway station A and another railway station B is 408 km. The distance between station B and third railway station C is 194 km. What is the total distance between the railway stations A and C?

Ans. Distance between stations A and B = 408 km
Distance between stations A and C = 194 km
Distance between stations A and C = 408 + 194 km
= 602 km **Ans.**

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ } \\ 408 \\ +\ 194 \\ \hline 602 \end{array}$$

26. In a garden there are 270 apples trees, 219 mangoes trees and 240 lemon trees. How many trees are there in all in the garden?

Ans. Number of apple trees = 270
Number of mango trees = 219
Number of lemon trees = 240
Total trees = 270 + 219 + 240
= 729 trees **Ans.**

$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ 270 \\ 219 \\ +\ 240 \\ \hline 729 \end{array}$$

27. A book seller had a stock of 980 books in the morning. These are 417 books left in stock in the evening. How many books did he sell in the day?

Ans. Total books = 980
Books left = 417
Books sold = 980 – 417 = 563 **Ans.**

$$\begin{array}{r} 980 \\ -\ 417 \\ \hline 563 \end{array}$$

28. There are 680 eggs in a basket. 29 eggs of them were cracked. How many good eggs are there?

Ans. Total eggs = 680
Number of cracked eggs = 29
Number of good eggs = 680 – 29 = 651 **Ans.**

$$\begin{array}{r} {\scriptstyle \ \ 1\ \ 10} \\ 680 \\ -\ 29 \\ \hline 651 \end{array}$$

29. What should be subtracted from 887 to make it 98?

Ans. Original number = 887
New number = 98
Number to be subtracted = 887 – 98 = 789 **Ans.**

$$\begin{array}{r} {\scriptstyle \ \ 7\ \ 7} \\ 887 \\ -\ 98 \\ \hline 789 \end{array}$$

30. There are 16 drums of oil. Each drum contain 40 litre oil. How much oil is there in all drums?

Ans. Total drums = 16
Oil in each drum = 40 *l*
Total oil = 16 × 40 *l*
= 640 *l* **Ans.**

$$\begin{array}{r} 16 \\ \times\ 40 \\ \hline 640 \end{array}$$

31. 240 tomatoes can be placed in a basket. How many tomatoes can be placed in 3 such baskets?

Ans. Number of tomatoes in a basket = 240
Number of baskets = 3
Total number of tomatoes = 3 × 240 = 720 tomatoes **Ans.**

$$\begin{array}{r} 240 \\ \times\ 3 \\ \hline 720 \end{array}$$

32. An aeroplane travels 224 km in 1 hour. How far it will go in 4 hours?

Ans. Distance covered in 1 hour = 224 km
Distance covered in 4 hours = 4 × 224 km
= 896 km **Ans.**

$$\begin{array}{r} 224 \\ \times\ 4 \\ \hline 896 \end{array}$$

33. Find the quotient and the remainder, if 102 is divided by 7.

Ans.

$$\begin{array}{r|l} 7 & 102 \\ -7\downarrow & 14 \\ \hline 32 & \\ -28 & \\ \hline 4 & \end{array}$$

Quotient = 14,
∴ Remainder = 4 **Ans.**

34. Mala has ₹ 240 with her. She buys 4 sarees of the same price. How much does each saree cost?

Ans. Money Mala has = ₹ 240
Sarees bought = 4
Cost of each saree
= ₹ 240 ÷ 4
= ₹ 60 **Ans.**

$$\begin{array}{r|l} 4 & 240 \\ -240 & 60 \\ \hline \times & \end{array}$$

35. 672 mangoes are equally distributed among 6 childrens. How many mangoes did each child get?

Ans. Number of mangoes = 672
Number of children = 6
Each child will
672 ÷ 6 = 112 mangoes. **Ans.**

$$\begin{array}{r|l} 6 & 672 \\ -672 & 112 \\ \hline 00 & \end{array}$$

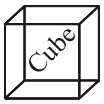
36. Fill in the blanks :

Ans. (a) 1/2 shows **half** part out of **two** equal parts.
(b) 2/3 shows **two** parts out of **three** equal parts.

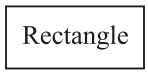
37. Give the definition of following and draw figure too :

Ans. **(a) Square :** A square is a figure which has four corners and four sides. All its sides are equal.

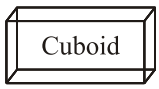
(b) Cube : A cube is a figure with 6 faces and 12 edges. All edges and faces of it are equal.



(c) Rectangle : A rectangle is a figure with four corners and four sides. Its opposite sides are equal.



(d) Cuboid : A cuboid is a figure with six faces and twelve edges. In it the opposite faces are equal.



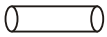
38. Draw the figures of :

Ans. (a) Circle

(b) Sphere

(c) Cone

(d) Cylinder



2 Numbers Beyond 1000

Exercise 1

Fill the boxes and write the numbers :

Ans.

	Thousands	hundreds	tens	ones
(a)	4	2	4	6
(b)	3	3	4	5
(c)	6	2	9	2
(d)	2	6	6	7

	Th	H	T	O
(a)	4	2	4	6
(b)	3	3	4	5
(c)	6	2	9	2
(d)	2	6	6	7

Exercise 2

1. Write the number names for the following numerals :

Ans.
(a) Seven thousand nine hundred eighty
(b) Nine thousand eight
(c) Eight thousand four hundred ninety-one
(d) Three thousand seven hundred eight
(e) Five thousand forty
(f) Nine thousand nine hundred ninety-nine
(g) One thousand two hundred thirty-four
(h) Three thousand two hundred seventy-four
(i) Four thousand two hundred seventeen

(j) Two thousand nine hundred thirty
(k) Three thousand three hundred
(l) Eight thousand nine

2. Answer these questions :

Ans.
(a) 1000 ÷ 100 = **10** hundreds
(b) 10000 1 = **9999**
(c) 1000 ÷ 10 = **100** tens
(d) 100 ÷ 10 = **10** tens
(e) 999 + 1 = **1000**
(f) 1000 1 = **999**

3. Write the numerals for the following number names :

Ans.

	Th	H	T	O
(a)	8	3	7	7
(b)	6	2	8	4
(c)	7	8	9	2
(d)	1	0	0	2
(e)	2	0	5	6
(f)	9	9	0	0
(g)	4	0	6	2
(h)	5	6	6	1
(i)	8	9	7	2
(j)	5	0	0	0
(k)	1	0	0	0
(l)	4	0	2	6
(m)	1	5	8	9
(n)	3	4	9	6

4. Write the next numbers :

Ans.
(a) 2000 2001 2002 2003 2004 **2005 2006 2007 2008 2009**
(b) 3221 **3222 3223 3224 3225 3226 3227 3228 3229 3230**
(c) 4770 **4771 4772 4773 4774 4775 4776 4777 4778 4779**
(d) 6920 **6921 6922 6923 6924 6925 6926 6927 6928 6929**
(e) 6180 **6181 6182 6183 6184 6185 6186 6187 6188 6189**

5. Fill in the blanks :

Ans.
(a) The number just before 7000 is 7000 – 1 = **6999**
(b) The number just after 7950 is 7950 + 1 = **7951**
(c) The number just before 5000 is 5000 – 1 = **4999**
(d) The number just after 3701 is 3701 + 1 = **3702**
(e) The number just before 1002 is 1002 – 1 = **1001**
(f) The number just after 7335 is 7335 + 1 = **7336**

6. Write the numerals in backward order :

Ans.
(a) 6123 6122 6121 6120 **6119 6118 6117 6115 6114**
(b) 5162 **5161 5160 5159 5158 5157 5156 5155 5154 5153**
(c) 4131 **4130 4129 4128 4127 4126 4125 4124 4123 4122**
(d) 1675 **1674 1673 1672 1671 1670 1669 1668 1667 1666**
(e) 5000 **4999 4998 4997 4996 4995 4994 4993 4992 4991**
(f) 4000 **3999 3998 3997 3996 3995 3994 3993 3992 3991**
(g) 8675 **8674 8673 8672 8671 8670 8669 8668 8667 8666**
(h) 4523 **4522 4521 4520 4519 4518 4517 4516 4515 4514**

7. Match the numbers and the number names :

Ans.
(a) Eight thousand four hundred sixty-four **1. 8,464**
(b) Seven thousand six hundred fifty **2. 7,650**
(c) Nine thousand four hundred fifty-five **3. 9,455**
(d) Six thousand two hundred four **4. 6,204**

Worksheet

Number of leaves in Amar's garden
Ans. 1700 + 8 = **1708**
Number of leaves in Poonam garden
Ans. 1500 + 70 + 8 = **1578**
Number of leaves in Azhar's garden
1700 + 80 + 8 = **1788**
Number of leaves in Gopal's garden
1400 + 40 + 2 = **1442**
Numbers in ascending order
Ans. 1442, 1578, 1708, 1788

1. Where do chinar trees grow in India?
In Jammu & Kashmir
2. In which months do they shed leaves?
September, October
3. Write two things you do to keep you environment clean.
(a) We should use recycled things.
(b) We should decrease the use of fossil fuels. Instead we should use environment friendly fuels.

Exercise-3

1. Find the place value of each digit in the numbers given below :

Ans. (a) Place value of 5 ⇒ 5000
Place value ⇒ 300
Place value of 8 ⇒ 80
Place value of 4 ⇒ 4

Th	H	T	O
5	3	8	4

(b) Place value of 6 ⇒ 6000
Place value of 2 ⇒ 200
Place value of 0 ⇒ 0
Place value of 7 ⇒ 7

Th	H	T	O
6	2	0	7

(c) Place value of 7 ⇒ 7000
Place value of 4 ⇒ 400
Place value of 1 ⇒ 10
Place value of 2 ⇒ 2

Th	H	T	O
7	4	1	2

(d) Place value of 3 ⇒ 3000
Place value of 4 ⇒ 400
Place value of 6 ⇒ 60
Place value of 3 ⇒ 3

Th	H	T	O
3	4	6	3

(e) Place value of 8 ⇒ 8000
Place value of 3 ⇒ 300
Place value of 4 ⇒ 40
Place value of 0 ⇒ 0

Th	H	T	O
8	3	4	0

Place value of 7 ⇒ 7000
Place value of 5 ⇒ 500
Place value of 8 ⇒ 80
Place value of 2 ⇒ 2

Th	H	T	O
7	5	8	2

2. Write the place value of the coloured digits :

Ans. (a) 76**3**4 **30** (b) 462**7** **7**
(c) 7**3**21 **300** (d) **7**902 **7000**
(e) 123**4** **4** (f) 4**8**25 **800**

3. Arrange the given numerals in the place value table :

Ans.	**Thousand**	**Hundreds**	**Tens**	**Ones**
(a) 3456 ⇒	**3000**	**400**	**50**	**6**
(b) 6409 ⇒	**6000**	**400**	**00**	**9**
(c) 7013 ⇒	**7000**	**0**	**10**	**3**

4. Write the place value of each digit of the following numbers:

Ans. (a) 5 3 8 4

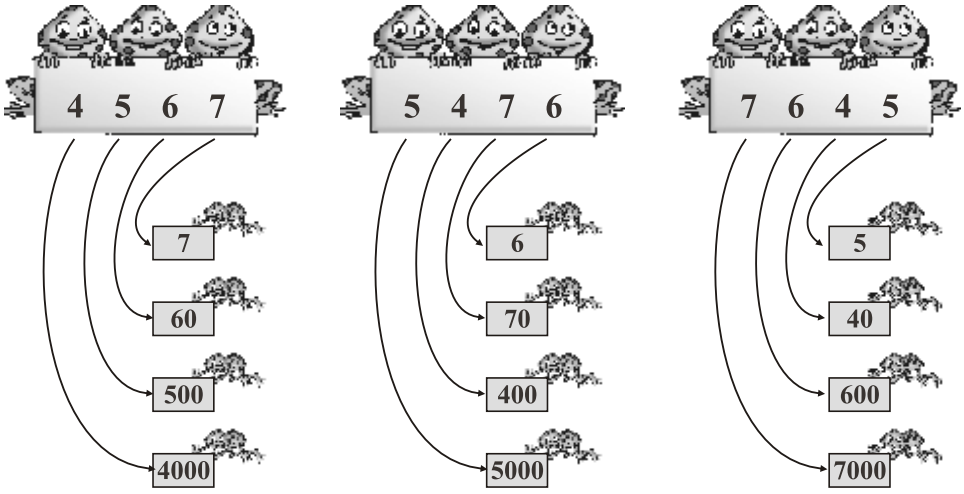
4
80
30

Ans. (b) 6 2 0 7

500
7
00

Worksheet

Match the digit with its place value.



Exercise 4

1. Express the following numerals in words :

Ans.
(a) Sixty-five
(b) Nine hundred eighty-six
(c) Four hundred ninety-three
(d) Seven hundred fifty-six

2. Write the following numbers using the Hindi numerals :

Ans.
(a) Three hundred eighty-nine ३८९
(b) Five hundred fifty-five ५५५
(c) One hundred १००
(d) Two hundred sixty-five २६५

3. Write the following Roman numerals in Hindu Arabic System :

Ans.

(a)	XVI	**16**
(b)	XXIX	**29**
(c)	XXXIX	**39**
(d)	XVIII	**18**
(e)	XXX	**30**

4. Write the following numbers in Roman numerals :

Ans.

(a)	10	**X**
(b)	23	**XXIII**
(c)	38	**XXXVIII**
(d)	19	**XIX**

Exercise 5

1. Write the Hindu Arabic and Roman Numerals for the following :

Ans.

	Number	**Hindu Arabic**	**Roman Numeral**
(a)	Eighty-eight	88	LXXXVIII
(b)	Ninety-seven	97	XCVII
(c)	One hundred	100	C
(d)	Fifty	50	L
(e)	Seventy-nine	79	LXXIX

2. Which of the following Roman numerals are meaningless :

Ans.
(a) VV→'V' is never repeated.
(b) VX→'V' is never subtracted.
(c) IXVIII→Addition or subtraction can be done on the whole numbers containing single digit.
(d) VVV→ 'V' is never repeated.
(f) IIX→Two numbers cannot be subtracted at the same time.
(g) IXX→Less value symbol cannot be placed along the left side of two symbols of greater value
(j) IIIII→A symbol cannot be repeated for more than three times.
Therefore meaningless of the above are (a), (b), (c), (d), (e), (f), (g), (j)

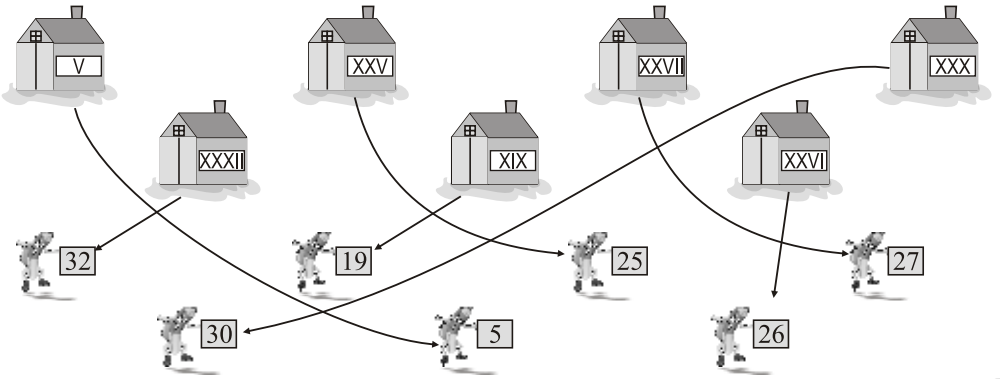
3. Match the numerals of the two columns which represent the same value :

Ans.

Column A	**Column B**
16	**XVI**
19	**XIX**
14	**XIV**
27	**XXVII**
26	**XXVI**
25	**XXV**
22	**XXII**

Worksheet

Match the Roman numbers of houses to their equivalent Hindu-Arabic numbers :



Exercise 6

1. Add the following by expanded form method :

Ans.

a) 4315 ⟶ 4000 + 300 + 10 + 5
+2432 ⟶ 2000 + 400 + 30 + 2
6747 ⟶ 6000 + 700 + 40 + 7

b) 4003 ⟶ 4000 + 0 + 0 + 3
+3072 ⟶ 3000 + 0 + 70 + 2
7075 ⟶ 7000 + 0 + 70 + 5

c) 3426 ⟶ 3000 + 400 + 20 + 6
+5341 ⟶ 5000 + 300 + 40 + 1
8767 ⟶ 8000 + 700 + 60 + 7

d) 2603 ⟶ 2000 + 600 + 0 + 3
+3260 ⟶ 3000 + 200 + 60 + 0
5863 ⟶ 5000 + 800 + 60 + 3

e) 6541 ⟶ 6000 + 500 + 40 + 1
+2434 ⟶ 2000 + 400 + 30 + 4
8975 ⟶ 8000 + 900 + 70 + 5

f) 2143 ⟶ 2000 + 100 + 40 + 3
+6543 ⟶ 6000 + 500 + 40 + 3
8686 ⟶ 8000 + 600 + 80 + 6

Exercise 7

1. Arrange columnwise and add :

Ans.

a)

Th	H	T	O
7	5	0	2
	+2	7	5
		+2	2
7	7	9	9

b)

Th	H	T	O
6	3	5	0
	+1	1	1
		+ 1	1
6	4	7	2

c)

Th	H	T	O
8	5	3	2
+1	3	4	6
9	8	7	8

d)

Th	H	T	O
6	2	5	3
+3	4	2	5
9	6	7	8

2. Find the sum :

Ans.
(a) 6412 + 3162 + 413 = **9987**
(b) 2401 + 101 + 50 = **2552**
(c) 5132 + 656 = **5788**
(d) 11 + 42 + 231 = **284**

3. Add the following :

Ans.

a)

Th	H	T	O
1	5	6	0
+4	3	1	5
5	8	7	5

b)

Th	H	T	O
2	0	4	1
+7	3	4	5
9	3	8	6

c)

Th	H	T	O
6	4	2	3
+1	2	4	2
7	6	6	5

d)

Th	H	T	O
5	3	4	1
+2	2	3	2
7	5	7	3

e)

Th	H	T	O
3	5	2	4
+2	0	1	0
5	5	3	4

f)

Th	H	T	O
6	2	5	3
+2	3	1	5
8	5	6	8

g)

Th	H	T	O
2	3	0	5
+6	1	2	3
8	4	2	8

h)

Th	H	T	O
3	1	2	1
+2	4	5	6
5	5	7	7

i)

Th	H	T	O
2	4	1	5
+6	2	7	3
8	6	8	8

Exercise 8

1. Add the following :

Ans.

a)

Th	H	T	O
2	1	6	2
1	2	0	5
4	3	1	1
7	6	7	8

b)

Th	H	T	O
1	3	0	2
6	2	5	3
2	0	3	2
9	5	8	7

c)

Th	H	T	O
2	3	2	2
3	4	1	5
1	1	5	2
6	8	8	9

d)

Th	H	T	O
2	1	3	4
5	3	2	1
1	3	1	2
8	7	6	7

e)

Th	H	T	O
4	3	2	1
1	2	3	4
1	2	1	0
6	7	6	5

f)

Th	H	T	O
2	0	2	5
1	2	5	0
2	5	1	3
5	7	8	8

2. Solve the following :

Ans.

a

Th	H	T	O
2	0	0	0
3	0	0	0
+ 4	0	0	0
9	0	0	0

b

Th	H	T	O
3	0	5	4
3	3	0	3
+1	4	2	0
7	7	7	7

c

Th	H	T	O
1	1	1	1
2	2	2	1
+3	3	3	3
6	6	6	5

d

Th	H	T	O
2	2	3	4
1	2	3	1
+2	1	1	1
5	5	7	6

e

Th	H	T	O
3	4	5	3
2	0	1	0
+1	1	0	5
6	5	6	8

f

Th	H	T	O
4	0	3	0
2	2	0	6
+3	0	2	3
9	2	5	9

g

Th	H	T	O
2	0	0	0
0	0	0	1
+4	2	4	5
6	2	4	6

h

Th	H	T	O
3	2	4	5
1	5	0	2
+4	1	3	1
8	8	7	8

i

Th	H	T	O
5	1	3	1
1	3	4	2
+3	1	2	5
9	5	9	8

Exercise 9

A. Add the following :

Ans.

a

Th	H	T	O
1	1	1	
2	8	8	7
+5	3	7	8
8	2	6	5

b

Th	H	T	O
1	1	1	
1	9	4	3
+3	1	8	7
5	1	3	0

c

Th	H	T	O
1	□	1	
2	9	3	5
+5	4	1	7
8	3	5	2

b

Th	H	T	O
1	1	1	
2	6	3	7
+5	4	8	3
8	1	2	0

e

Th	H	T	O
□	1	1	
4	5	9	7
+3	1	5	7
7	7	5	4

f

Th	H	T	O
1	1	1	
3	7	9	6
+ 2	8	0	5
6	6	0	1

B. Solve the following :

Ans.

1.

Th	H	T	O
2	1	1	
1	9	8	7
1	9	9	9
+3	8	1	0
7	7	9	6

2.

Th	H	T	O
□	1	2	
1	2	4	9
4	3	4	7
+3	2	8	9
8	8	8	5

3.

Th	H	T	O
□	2	1	
2	1	9	1
4	3	2	9
+3	0	8	1
9	6	0	1

4.

Th	H	T	O
□	1	2	
2	1	8	4
3	3	2	9
+2	1	3	7
7	6	5	0

5.

Th	H	T	O
1	□	2	
2	4	1	8
3	4	1	8
+1	4	1	8
7	2	5	4

6.

Th	H	T	O
1	1	2	
3	4	1	7
1	7	8	9
+3	2	7	8
8	4	8	4

Exercise 10

1. Fill in the blanks by using properties of addition :

Ans.

(a) $8432 = 0 + \mathbf{8432}$

(b) $9847 + \mathbf{0} = 9847$

(c) $3182 + \mathbf{5027} = 3812 + 5027$

(d) $\mathbf{3945} + 4175 = 4175 + 3945$

(e) $2805 + 1100 = 1100 + \mathbf{2805}$

(f) $2805 + 1005 = \mathbf{2805} + 1005$

(g) $(1009 + 88) + 2066$
$= \mathbf{1009} + (888 + 2066)$

(h) $3615 + (220 + 132)$
$= (3615 + 220) + \mathbf{132}$

(i) $6752 + 9178 = \mathbf{6752} + 9178$

(j) $(2315 + \mathbf{5140}) + 1523$
$= 2315 + 1523 + 5140$

2. Find the sum by suitable grouping :

Ans.

(a) $34 + 96 + 24 + 38$
$= (96 + 24) + (34 + 38)$
$= 120 + 72$
$= \mathbf{192}$ **Ans.**

(b) $18 + 19 + 20 + 21$
$= (18 + 20) + (19 + 21)$
$= 38 + 40$
$= \mathbf{78}$ **Ans.**

(c) $280 + 461 + 480 + 512$
$= (280 + 480) + (461 + 512)$
$= 760 + 973$
$= \mathbf{1733}$ **Ans.**

(d) $716 + 310 + 911 + 702$
$= (716 + 702) + (310 + 911)$
$= 1418 + 1221$
$= \mathbf{2639}$ **Ans.**

(e) $2001 + 2002 + 2003 + 2004$
$= (2001 + 2002) + (2003 + 2004)$
$= 4003 + 4007$
$= \mathbf{8010}$ **Ans.**

(f) $1980 + 2047 + 2146 + 2146$
$= (1980 + 2146) + (2047 + 2146)$
$= 4126 + 4193$
$= \mathbf{8319}$ **Ans.**

(g) $1253 + 1565 + 2345 + 3122$
$= (1253 + 3122) + (1565 + 2345)$
$= 4375 + 3910$
$= \mathbf{8285}$ **Ans.**

Exercise 11

Solve the following word problems :

1. There are 3880 men, 2464 women and 3127 children in a village. What is the total population of the village?

Sol.: Number of men = 3880
Number of women = 2464
Number of children = 3127

	3	8	8	0
+	2	4	6	4
+	3	1	2	7
	9	4	7	1

Total population
$= 3880 + 2464 + 3127$
$= 9471$ people **Ans.**

2. The monthly incomes of three friends Bobby, Salim and Pinku are ₹3810, ₹2008 and ₹3403 respectively. What is the total income of three friends?

Sol.: Monthly income of Bobby = ₹ 3810
Monthly income of Salim = ₹ 2008

	3	8	1	0
+	2	0	0	8
+	3	4	0	3
	9	2	2	1

Monthly income of Pinku = ₹ 3403
Total income = 3810 + 2008 + 3403
= ₹ 9221 **Ans.**

3. A farmer produced 3180 kg wheat, 1763 kg groundnut and 2478 kg rice in one year. How much grain did he produced in all?

Sol.: Quantity of wheat produced = 3180 kg
Quantity of groundnut produced = 1763 kg

	3	1	8	0
+	1	7	6	3
+	2	4	7	8
	7	4	2	1

Quantity of rice produced = 2478 kg
Total grain produced
= 3180 + 1763 + 2478 kg
= 7421 kg grain **Ans.**

4. A fruit seller sold 2430 bananas, 3807 oranges and 3175 guavas on Tuesday. How many fruits did he sell in all on Tuesday?

Sol.: Bananas sold = 2430
Oranges sold = 3807
Guavas sold = 3175

	2	4	3	0
+	3	8	0	7
+	3	1	7	5
	9	4	1	2

Total fruits sold
= 2430 + 3807 + 3175
= 9412 fruits **Ans.**

5. The number of boys and girls in a school is 2475 and 4165. What is the total number of students in the school?

Sol.: Number of boys = 2475
Number of girls = 4165

	2	4	7	5
+	4	1	6	5
	6	6	4	0

Total students = 2475 + 4165
= 6640 students **Ans.**

6. In a Board election there were three candidates. They got 3075 votes, 2461 and 1705 votes respectively. If 159 votes were found invalid. How many votes were polled in all?

Sol.: Votes get by Ist candidate = 3075
Votes get by 2nd candidates = 2461
Votes get by 3rd candidate = 1705

	3	0	7	5
+	2	4	6	1
+	1	7	0	5
		1	5	9
	7	4	0	0

Votes found invalid = 159
Total votes = 3075 + 2461 + 1705 + 159
= 7400 votes **Ans.**

7. A cloth factory produced 2170, 3585 and 2038 shirts in three days. How many shirts were produced in all?

Sol.: Shirts produced on the first day = 2170 shirts
Shirts produced on the second day = 3585 shirts
Shirts produced on the third day = 2038 shirts

	2	1	7	0
+	3	5	8	5
+	2	0	3	8
	7	7	9	3

Total shirts produced
= 2170 + 3585 + 2038 shirts
= 7793 shirts **Ans.**

8. Kalpana travelled 3183 kilometres by plane and 4917 kilometres by train. What is the total distance travelled by her?

Sol.: Distance travelled by plane = 3183 km
Distance travelled by train = 4917 km
Total distance travelled = 3183 + 4917 km
= 8100 kilometres **Ans.**

	3	1	8	3
+	4	9	1	7
	8	1	0	0

9. Vijay purchased dining table for ₹2805 and chairs for ₹ 1805. What is the total cost of table and chairs?

Sol.: Cost of dining table = ₹ 2805
Cost of chairs = ₹ 1805
Total cost = ₹ 2805 + ₹ 1805
= ₹ 4610 **Ans.**

	2	8	0	5
+	1	8	0	5
	4	6	1	0

10. There are 4180 goats, 2465 cows and 1974 buffaloes in a village. How many cattles are there in that village?

Sol.: Number of goats = 4180
Number of cows = 2465
Number of buffaloes = 1974
Total cattles = 4180 + 2465 + 1974
= 8619 cattles **Ans.**

	4	1	8	0
+	2	4	6	5
+	1	9	7	4
	8	6	1	9

11. There are 1438 pens and 1847 pencils in a box. How many stationeries are in all?

Sol.: Number of pens = 1438
Number of pencils = 1847
Total stationeries = 1438 + 1847
= 3285 stationeries **Ans.**

	1	4	3	8
+	1	8	4	7
	3	2	8	5

12. In a circus 4170 tickets were sold on Sunday and 3473 tickets were sold on Monday. All together, how many tickets were sold on those two days?

Sol.: Tickets sold on Sunday = 4170
Tickets sold on Monday = 3473
Total tickets sold = 4170 + 3473
= 7643 tickets **Ans.**

	4	1	7	0
+	3	4	7	3
	7	6	4	3

13. Sanjay spends ₹ 2417 on food, ₹ 2400 on room rent and ₹ 3847 on other items. Find his total expenditure.

Sol.: Money spent on food = ₹ 2417
Money spent on room rent = ₹ 2400
Money spent on other items = ₹ 3847
Total expenditure
= 2417 + 2400 + 3847
= ₹ 8664 **Ans.**

	2	4	1	7
+	2	4	0	0
+	3	8	4	7
	8	6	6	4

Worksheet

The ants are working really hard, gathering their food. They are busy moving here and there covering long distances. Let us add, and find out who has covered the most distance in metres.

Ans.

Meti Ant

H	T	O
1	4	0
	2	6
+1	0	2
2	6	8

Nuli Ant

H	T	O
	4	3
	4	2
+1	0	2
1	8	7

Gigi Ant

H	T	O
1	2	4
	2	2
+2	0	2
3	4	8

Silu Ant

H	T	O
2	4	3
	2	2
+3	0	2
5	6	7

Ruti Ant

H	T	O
3	2	1
	2	3
+1	0	2
4	4	6

Tibu Ant

H	T	O
4	2	1
	3	3
+4	0	2
8	5	6

Tibu Ant covered the most distance.

6 Subtraction

Exercise-12

A. Subtract the following :

Ans.

1.

Th	H	T	O
7	8	5	5
–3	5	2	3
4	3	3	2

2.

Th	H	T	O
9	3	7	9
–4	1	5	6
5	2	2	3

3.

Th	H	T	O
8	7	3	6
–5	2	0	5
3	5	3	1

4.

Th	H	T	O
7	8	5	9
–3	1	3	0
4	7	2	9

5.

Th	H	T	O
6	7	8	9
–2	1	5	4
4	6	3	5

6.

Th	H	T	O
9	8	5	4
–3	5	2	0
6	3	3	4

7.

Th	H	T	O
7	8	6	5
–2	0	0	3
5	8	6	2

B. Solve the following :

Ans.

a
Th	H	T	O
8	5	4	9
−1	3	2	5
7	2	2	4

b
Th	H	T	O
7	8	5	3
−1	1	2	1
6	7	3	2

c
Th	H	T	O
6	6	5	9
−2	2	3	8
4	2	2	1

d
Th	H	T	O
7	7	9	9
−3	3	4	4
4	4	5	5

e
Th	H	T	O
8	8	8	8
−2	4	6	8
6	4	2	0

f
Th	H	T	O
4	0	8	0
−3	0	7	0
1	0	1	0

g
Th	H	T	O
9	0	9	9
−1	0	7	7
8	0	2	2

h
Th	H	T	O
8	5	6	5
−2	1	3	4
6	4	3	1

i
Th	H	T	O
7	3	9	5
−2	1	3	1
5	2	6	4

Exercise-13

A. Solve the following :

Ans.

a
Th	H	T	O
	□		
□	10	7	16
1	0	8	6
	−3	2	9
	7	5	7

b
Th	H	T	O
	14	13	
7	4	3	11
8	5	4	1
	−7	8	9
7	7	5	2

c
Th	H	T	O
	16	14	
5	6	4	12
6	7	5	2
	−8	9	3
5	8	5	9

d
Th	H	T	O
	13	12	
4	3	2	12
5	4	3	2
	−1	8	5	6
3	5	7	6

e
Th	H	T	O
	□		
□	□	5	15
4	5	6	5
−1	2	3	9
3	3	2	6

f
Th	H	T	O
	14		
7	4	11	
8	5	1	3
	−7	5	3
7	7	6	0

B. Subtract the following :

Ans.

1.
Th	H	T	O
	10	12	
6	0	2	2
7	1	3	2
	−7	3	8
6	3	9	4

2.
Th	H	T	O
	□	14	
□	0	4	16
4	1	5	6
−1	0	9	8
3	0	5	8

3.
Th	H	T	O
	□	□	
2	9	9	10
3	0	0	0
−2	9	9	9
0	0	0	1

4.
Th	H	T	O
	□	□	
□	7	17	□
1	8	7	3
	−7	8	0
1	0	9	3

5.
Th	H	T	O
	□	14	
□	7	4	11
7	8	5	1
	−7	6	5
7	0	8	6

6.
Th	H	T	O
	□	14	
□	7	4	13
9	8	5	3
−1	1	6	9
8	6	8	4

7.
Th	H	T	O
	14	11	
6	4	1	10
7	5	2	0
−3	6	5	4
3	8	6	6

Exercise-14

1. Subtract and check the correctness of your answer :

Ans. (a)

	3	9	7
−	2	2	4
	1	7	3

Difference = 173

Verification :

	2	2	4
+	1	7	3
	3	9	7

As the sum is 397, thus, the subtraction is correct.

(b)

	8	7	5
−	3	1	2
	5	6	3

Difference = 563

Verification :

	3	1	2
+	5	6	3
	8	7	5

As the sum is 875, thus, the subtraction is correct.

(c)
$$\begin{array}{r} 6\ 2\ 5 \\ -\ 4\ 1\ 0 \\ \hline 2\ 1\ 5 \end{array}$$
Difference = 215

Verification :

$$\begin{array}{r} 4\ 1\ 0 \\ +\ 2\ 1\ 5 \\ \hline 6\ 2\ 5 \end{array}$$

As the sum is 625, thus, the subtraction is correct.

(d)
$$\begin{array}{r} 3\ 2\ 7 \\ -\ 2\ 2\ 4 \\ \hline 1\ 7\ 3 \end{array}$$
Difference = 173

Verification :

$$\begin{array}{r} 2\ 2\ 4 \\ +\ 1\ 7\ 3 \\ \hline 3\ 9\ 7 \end{array}$$

As the sum is 397, thus, the subtraction is correct.

(e)
$$\begin{array}{r} 8\ 7\ 5 \\ -\ 3\ 1\ 2 \\ \hline 5\ 6\ 3 \end{array}$$
Difference = 563

Verification :

$$\begin{array}{r} 3\ 1\ 2 \\ +\ 5\ 6\ 3 \\ \hline 8\ 7\ 5 \end{array}$$

As the sum is 875, thus, the subtraction is correct.

(f)
$$\begin{array}{r} 8\ 5\ 8 \\ -\ 2\ 3\ 5 \\ \hline 6\ 2\ 3 \end{array}$$
Difference = 623

Verification :

$$\begin{array}{r} 2\ 3\ 5 \\ +\ 6\ 2\ 3 \\ \hline 8\ 5\ 8 \end{array}$$

As the sum is 858, thus, the subtraction is correct.

2. Find the difference and check your answer :

Ans. (a)
$$\begin{array}{r} 9\ 8\ 7\ 8 \\ -\ 2\ 3\ 4\ 7 \\ \hline 7\ 5\ 3\ 1 \end{array}$$
Difference = 7531

Verification :

$$\begin{array}{r} 2\ 3\ 4\ 7 \\ +\ 7\ 5\ 3\ 1 \\ \hline 9\ 8\ 7\ 8 \end{array}$$

As the sum is 9878, thus, the subtraction is correct.

(b)
$$\begin{array}{r} 3\ 4\ 6\ 2 \\ -\ 1\ 2\ 4\ 0 \\ \hline 2\ 2\ 2\ 2 \end{array}$$
Difference = 2222

Verification :

$$\begin{array}{r} 1\ 2\ 4\ 0 \\ +\ 2\ 2\ 2\ 2 \\ \hline 3\ 4\ 6\ 2 \end{array}$$

As the sum is 3462, thus, the subtraction is correct.

(c)
$$\begin{array}{r} 7\ 1\ 8\ 6 \\ -\ 3\ 3 \\ \hline 7\ 1\ 5\ 3 \end{array}$$
Difference = 7153

Verification :

$$\begin{array}{r} 3\ 3 \\ +\ 7\ 1\ 5\ 3 \\ \hline 7\ 1\ 8\ 6 \end{array}$$

As the sum is 7186, thus, the subtraction is correct.

(d)
$$\begin{array}{r} 9\ 8\ 7\ 2 \\ -\ 5\ 3\ 4\ 0 \\ \hline 4\ 5\ 3\ 2 \end{array}$$
Difference = 4532

Verification :

$$\begin{array}{r} 5\ 3\ 4\ 0 \\ +\ 4\ 5\ 3\ 2 \\ \hline 9\ 8\ 7\ 2 \end{array}$$

As the sum is 9872, thus, the subtraction is correct.

(e)
$$\begin{array}{r} 8\ 7\ 9\ 5 \\ -\ 7\ 5\ 3\ 2 \\ \hline 1\ 2\ 6\ 3 \end{array}$$
Difference = 1263

Verification :

$$\begin{array}{r} 7\ 5\ 3\ 2 \\ +\ 1\ 2\ 6\ 3 \\ \hline 8\ 7\ 9\ 5 \end{array}$$

As the sum is 8795, thus, the subtraction is correct.

(f) 7694 3041 =
$$\begin{array}{r} 7\ 6\ 9\ 4 \\ -\ 3\ 0\ 4\ 1 \\ \hline 4\ 6\ 5\ 3 \end{array}$$
Difference = 4653

Verification :

$$\begin{array}{r} 3\ 0\ 4\ 1 \\ +\ 4\ 6\ 5\ 3 \\ \hline 7\ 6\ 9\ 4 \end{array}$$

As the sum is 7694, thus, the subtraction is correct.

(g)
$$\begin{array}{r} 5\ 8\ 3\ 2 \\ -\ 1\ 1\ 1\ 1 \\ \hline 4\ 7\ 2\ 1 \end{array}$$
Difference = 4721

Verification :

$$\begin{array}{r} 1\ 1\ 1\ 1 \\ +\ 4\ 7\ 2\ 1 \\ \hline 5\ 8\ 3\ 2 \end{array}$$

As the sum is 5832, thus, the subtraction is correct.

(h) $\begin{array}{r} 3\ 8\ 9\ 8 \\ -\ 2\ 3\ 2\ 5 \\ \hline 1\ 5\ 7\ 3 \end{array}$ Difference = 1573

Verification :

$$\begin{array}{r} 2\ 3\ 2\ 5 \\ +\ 1\ 5\ 7\ 3 \\ \hline 3\ 8\ 9\ 8 \end{array}$$

As the sum is 3898, thus, the subtraction is correct.

(i) $\begin{array}{r} 4\ 9\ 8\ 7 \\ -\ 3\ 2\ 1\ 1 \\ \hline 1\ 7\ 7\ 6 \end{array}$ Difference = 1776

Verification :

$$\begin{array}{r} 3\ 2\ 1\ 1 \\ +\ 1\ 7\ 7\ 6 \\ \hline 4\ 9\ 8\ 7 \end{array}$$

As the sum is 4987, thus, the subtraction is correct.

(j) $\begin{array}{r} 5\ 7\ 8\ 5 \\ -\ 2\ 2\ 1\ 2 \\ \hline 3\ 5\ 7\ 3 \end{array}$ Difference = 3573

Verification :

$$\begin{array}{r} 2\ 2\ 1\ 2 \\ +\ 3\ 5\ 7\ 3 \\ \hline 5\ 7\ 8\ 5 \end{array}$$

As the sum is 5785, thus, the subtraction is correct.

(k) $\begin{array}{r} 6\ 6\ 5\ 8 \\ -\ 3\ 3\ 1\ 5 \\ \hline 3\ 3\ 4\ 3 \end{array}$ Difference = 3343

Verification :

$$\begin{array}{r} 3\ 3\ 1\ 5 \\ +\ 3\ 3\ 4\ 3 \\ \hline 6\ 6\ 5\ 8 \end{array}$$

As the sum is 6658, thus, the subtraction is correct.

(l) $\begin{array}{r} 7\ 6\ 7\ 8 \\ -\ 3\ 2\ 1\ 4 \\ \hline 4\ 4\ 6\ 4 \end{array}$ Difference = 4464

Verification :

$$\begin{array}{r} 3\ 2\ 1\ 4 \\ +\ 4\ 4\ 6\ 4 \\ \hline 7\ 6\ 7\ 8 \end{array}$$

As the sum is 7678, thus, the subtraction is correct.

3. Solve the following :

Ans. (a) $\begin{array}{r} 3\ 6\ 7\ 5 \\ +\ 2\ 4\ 7\ 3 \\ \hline 6\ 1\ 4\ 8 \end{array} \Rightarrow \begin{array}{r} 6\ 1\ 4\ 8 \\ -\ 3\ 4\ 3\ 2 \\ \hline 2\ 1\ 7\ 6 \end{array}$

Answer = 2176

(b) $\begin{array}{r} 7\ 6\ 4\ 7 \\ -\ 1\ 1\ 4\ 7 \\ \hline 6\ 5\ 0\ 0 \end{array} \Rightarrow \begin{array}{r} 6\ 5\ 0\ 0 \\ +\ 1\ 7\ 8\ 1 \\ \hline 8\ 2\ 8\ 1 \end{array}$

Answer = 8281

(c) $\begin{array}{r} 3\ 2\ 1\ 7 \\ +\ 4\ 1\ 7\ 6 \\ \hline 7\ 3\ 9\ 3 \end{array} \Rightarrow \begin{array}{r} 7\ 3\ 9\ 3 \\ -\ 3\ 8\ 4\ 0 \\ \hline 3\ 5\ 5\ 3 \end{array}$

Answer = 3553

(d) $\begin{array}{r} 8\ 8\ 8\ 8 \\ -\ 7\ 7\ 7\ 7 \\ \hline 1\ 1\ 1\ 1 \end{array} \Rightarrow \begin{array}{r} 1\ 1\ 1\ 1 \\ -\ 1\ 1\ 1\ 1 \\ \hline 0\ 0\ 0\ 0 \end{array}$

Answer = 0

(e) $\begin{array}{r} 7\ 8\ 8\ 2 \\ -\ 3\ 4\ 6\ 0 \\ \hline 4\ 4\ 2\ 2 \end{array} \Rightarrow \begin{array}{r} 4\ 4\ 2\ 2 \\ -\ 3\ 0\ 2 \\ \hline 4\ 1\ 2\ 0 \end{array}$

Answer = 4120

(f) $\begin{array}{r} 5\ 0\ 0\ 0 \\ +\ 4\ 0\ 0\ 0 \\ \hline 9\ 0\ 0\ 0 \end{array} \Rightarrow \begin{array}{r} 9\ 0\ 0\ 0 \\ -\ 3\ 0\ 0\ 0 \\ \hline 6\ 0\ 0\ 0 \end{array}$

Answer = 6000

4. Subtract the sum of 3847 and 2980 from the sum of 4418 and 2310.

Ans. Sum of 3847 and 2980 = 3847 + 2980
= 6827

Sum of 4418 and 2310 = 4418 + 2310
= 6728

Difference $\begin{array}{r} 6\ 8\ 2\ 7 \\ -\ 6\ 7\ 2\ 8 \\ \hline 9\ 9 \end{array}$

So, difference = 99 **Ans.**

5. How much is 7104 greater than 7017?

Ans. $\begin{array}{r} 7\ 1\ 0\ 4 \\ -\ 7\ 0\ 1\ 7 \\ \hline 8\ 7 \end{array}$ Answer = 87

6. Find the difference between 8757 and 5236.

Ans. $\begin{array}{r} 8\ 7\ 5\ 7 \\ -\ 5\ 2\ 3\ 6 \\ \hline 3\ 5\ 2\ 1 \end{array}$

So, difference between 8757 and 5236 is 3521 **Ans.**

7. The sum of two numbers is 9807. If the first number is 4187, then find the other number.

Ans. Sum of two numbers = 9807
First number = 4187
Other number = 9807 – 4187

9	8	0	7
–4	1	8	7
5	6	2	0

So, other number is 5620 **Ans.**

Exercise-15

Solve the following word problems :

1. Jyoti read 1376 pages of a book containing 2580 pages. How many pages are left to read?

Sol.: Number of pages = 258
Pages read by Jyot = 1376
Pages left to read = 2580 – 1376

		[7]	[10]
2	5	8	0
–1	3	7	6
1	2	0	4

So, pages left to read are 1204 **Ans.**

2. Puja went to school with 2218 toffees. She distributed 1178 toffees to her classmates on the occasion of her birthday. How many toffees are left with her?

Sol.: Total number of toffees = 2218
Toffees distributed = 1178
Toffees left = 2218 – 1178

	[1]	[11]	
2	2	1	8
–1	1	7	8
1	0	4	0

So, 1040 toffees are left. **Ans.**

3. Suman went on shopping with ₹ 4335 in her purse. She spent ₹ 1487 in shopping. How much money did she have in her purse?

Sol.: Money in the purse = ₹ 4335
Money spent in shopping = ₹ 1487
Money remained = 4335 – 1487

	[12]	[2]	
[3]	[2]	[2]	[15]
4	3	3	5
–1	4	8	7
2	8	4	8

So, she has ₹ 2848 in her purse. **Ans.**

4. Aditi had ₹ 8775 with her. She bought a video game for ₹ 8198. How much money was left

Sol.: Money with Aditi = ₹ 8775
Cost of video game = ₹ 8198
Money left = 8775 – 8198

	[16]		
	[6]	[6]	[15]
8	7	7	5
–8	1	9	8
	5	7	7

So, ₹ 577 is left with her. **Ans.**

5. The distance between two towns is 4263 km. Gargi covers the distance of 1364 km by a car and rest of the distance by a bus. How much distance she travels by

Sol.: Total distance = 4263 km
Distance covered by Gargi by car = 1364 km
Distance covered by Gargi by bus = 4263 – 1364 km

	[11]	[15]	
[3]	[1]	[5]	[13]
4	2	6	3
–1	3	6	4
2	8	9	9

So, Gargi covered 2899 km by bus. **Ans.**

6. A dealer had 4197 cars in his showroom. He sold 2178 cars. How many cars are now left in his showroom?

Sol.: Total cars in showroom = 4197
Cars sold = 2178
Cars left = 4197 – 2178

		[8]	[17]
4	1	9	7
–2	1	7	8
2	0	1	9

So, 2019 cars are left in his showroom. **Ans.**

7. There are 3971 chlidrens in a village. 1876 of them go to school. How many children do not go to s

Sol.: Total children = 3971
School going children = 1876
Children left = 3975 – 1876

		[16]	
	[8]	[6]	[11]
3	9	7	1
–1	8	7	6
2	0	9	5

So, 2095 chlidren don't go to school. **Ans.**

8. A farmer spent ₹ 8174 on a seed driller. He got ₹ 6284 as loan from a bank. How many rupees did he spend from his pocket?

Sol.: Total money spent = ₹ 8174
Money received as loan = ₹ 6284
Money spent from pocket = ₹ 8174 – 6284

	[10]		
[7]	[0]	[17]	
8	1	7	4
–6	2	8	4
1	8	9	0

So, he spent ₹ 1890 from his pocket. **Ans.**

9. In a certain examination 8320 students appeared. Out of these only 4197 could get through. How many

failed?

Sol.: Total students appeared = 8320
Students get through = 4197
Students failed
= 8320 – 4197
So, 4123 students failed. **Ans.**

	[2]	[11] [1]	[10]
8	3	2	0
–4	1	9	7
4	1	2	3

10. The difference between two numbers is 3185. If the larger number is 2850, find the smaller one.

Sol.: The difference of two numbers = 3185
The larger number
= 2850
The smaller one
= 3185 – 2850
So, the smaller number's 335 **Ans.**

[2]	[11]		
3	1	5	5
–2	8	5	0
	3	3	5

11. There are 2800 seats in a cinema hall. On a particular day, 1371 persons saw the show. How many seats were vacant on that day?

Sol.: Total seats = 2800
Seats occupied
= 1371
Seats left vacant
= 2800 – 1371
So, 1429 seats were vacant. **Ans.**

	[7]	[9]	[11]
2	8	0	0
–1	3	7	1
1	4	2	9

12. Anil earns ₹ 9907 per month. His monthly expenditure is ₹ 8140 and the rest he saves. How much does he save every month?

Sol.: Monthly income
= ₹ 9907
Monthly expenditure
= ₹ 8140
Monthly savings = 9907 – 8140
So, he saves ₹ 1767 every month. **Ans.**

	[8]	[10]	
9	9	0	7
–8	1	4	0
1	7	6	7

13. A carpenter purchased 8017 nails. He used 4139 out of th nails were left?

Sol.: Total nails = 8017
Nails used = 4139
Nails left
= 8017 – 4139
So, 3878 nails were left. **Ans.**

		[10]	
	[7]	[0]	[17]
8	0	1	7
–4	1	3	9
3	8	7	8

Worksheet

Answer the following :

Ans.
1. How many more spectators were there for quarter final 1 than for quarter final 2? **519** people.
2. How many more spectators were there for quarter final 3 than for quarter final 4? **524** people.
3. How many less people came to see semifinal 1 than semifinal 2? **563** people.
4. How many more spectators were there for the final than semifinal 2? **915** people

7 Multiplication

Exercise-16

A. Solve the following :

Ans.

a

Th	H	T	O
4	0	0	3
		×	2
8	0	0	6

b

Th	H	T	O
	[2]	[4]	[5]
1	3	6	9
		×	6
8	2	1	4

c

Th	H	T	O
	[1]	[2]	[5]
1	2	6	9
		×	7
8	6	6	6

d

Th	H	T	O
		[5]	[4]
1	0	8	7
		×	6
6	5	2	2

e

Th	H	T	O
	[2]	[2]	
2	0	8	9
		×	3
6	2	6	7

f

Th	H	T	O
[1]	[1]	[2]	
1	3	3	4
		×	5
6	6	7	0

B. Multiply the following :

Ans.

a

Th	H	T	O
		[4]	
1	0	0	5
		×	9
9	0	4	5

b

Th	H	T	O
[3]	[3]	[3]	
1	7	9	8
		×	4
7	1	9	2

c

Th	H	T	O
[1]	[2]	[2]	
1	5	6	7
		×	3
4	7	0	1

d

Th	H	T	O
		[4]	
1	1	0	5
		×	8
8	8	4	0

e

Th	H	T	O
		[1]	
1	1	1	2
		×	8
8	8	9	6

f

Th	H	T	O
		[1]	
4	3	0	5
		×	2
8	6	1	0

g

Th	H	T	O
□	□	2	
2	0	0	5
		×	4
8	0	2	0

Exercise-17

A. Solve the following :

Ans.

a

Th	H	T	O
	5	0	0
	×	1	3
1	5	0	0
5	0	0	0
6	5	0	0

b

Th	H	T	O
	2	1	7
	×	1	2
	4	3	4
2	1	7	0
2	6	0	4

c

Th	H	T	O
	7	3	2
	×	1	1
	7	3	2
7	3	2	0
8	0	5	2

d

Th	H	T	O
	4	1	2
	×	1	4
1	6	4	8
4	1	2	0
5	7	6	8

e

Th	H	T	O
	8	0	0
	×	1	2
1	6	0	0
8	0	0	0
9	6	0	0

f

Th	H	T	O
	4	0	7
	×	1	9
3	6	6	3
4	0	7	0
7	7	3	3

g

Th	H	T	O
	2	1	5
			8
1	7	2	0
2	1	5	0
3	8	7	0

h

Th	H	T	O
	2	1	2
	×	1	6
1	2	7	2
2	1	2	0
3	3	9	2

B. Multiply the following :

Ans.

a

Th	H	T	O
	4	1	6
	×	1	5
2	0	8	0
4	1	6	0
6	2	4	0

b

Th	H	T	O
	3	6	7
	×	1	4
1	4	6	8
3	6	7	0
5	1	3	8

c

Th	H	T	O
	2	1	5
	×	3	2
	4	3	0
6	4	5	0
6	8	8	0

d

Th	H	T	O
	2	0	7
	×	1	7
1	4	4	9
2	0	7	0
3	5	1	9

e

Th	H	T	O
	1	6	3
	×	2	7
1	1	4	1
3	2	6	0
4	4	0	1

f

Th	H	T	O
	5	8	0
	×	1	2
1	1	6	0
5	8	0	0
6	9	6	0

g

Th	H	T	O
	2	4	1
	×	1	2
	4	8	2
2	4	1	0
2	8	9	2

Exercise-18

Fill in the blanks without actual multiplication :

Ans.

1. $14 \times (5+6) = (\mathbf{14} \times \mathbf{5}) + (14 \times 6)$
2. $81 \times \mathbf{23} = 23 \times 81$
3. $0 \times 570 = \mathbf{0}$
4. $1 \times 888 = \mathbf{888}$
5. $\mathbf{1} \times 540 = 540$
6. $84 \times 61 = \mathbf{61} \times 84$
7. $93 \times 48 = \mathbf{48} \times 93$
8. $76 \times 92 = 92 \times \mathbf{76}$
9. $(5 \times 7) \times 9 = 5 \times (\mathbf{7} \times 9)$
10. $8 \times (4 \times 3) = (8 \times \mathbf{4}) \times 3$
11. $10 \times (6 \times 4) = (10 \times 6) \times \mathbf{4}$
12. $7 \times (8+9) = (7 \times \mathbf{8}) + (7 \times 9)$
13. $6 \times (31+9) = (\mathbf{6} \times 31) + (\mathbf{6} \times 9)$
14. $940 \times 0 = \mathbf{0}$
15. $285 \times \mathbf{1} = 285$
16. $57 \times \mathbf{63} = 63 \times 57$
17. $7 \times (5+4) = (7 \times 5) + (\mathbf{7} \times \mathbf{4})$
18. $15 \times 1 = 1 \times \mathbf{15}$
19. $100 \times 1 = \mathbf{100}$
20. $3 \times (6 \times 4) = (3 \times 6) \times \mathbf{4}$

Exercise-19

Find the product without actual multiplication :

Ans.

1. $403 \times 20 = \mathbf{8060}$
2. $721 \times 10 = \mathbf{7210}$
3. $220 \times 40 = \mathbf{8800}$
4. $116 \times 60 = \mathbf{6960}$
5. $403 \times 30 = \mathbf{12090}$
6. $85 \times 70 = \mathbf{5950}$
7. $31 \times 100 = \mathbf{3100}$
8. $41 \times 200 = \mathbf{8200}$
9. $333 \times 20 = \mathbf{6660}$
10. $425 \times 20 = \mathbf{8500}$
11. $21 \times 80 = \mathbf{1680}$

12. $27 \times 300 = \mathbf{8100}$
13. $45 \times 200 = \mathbf{9000}$
14. $76 \times 100 = \mathbf{7600}$
15. $34 \times 20 = \mathbf{680}$
16. $86 \times 100 = \mathbf{8600}$
17. $77 \times 100 = \mathbf{7700}$
18. $31 \times 200 = \mathbf{6200}$
19. $65 \times 100 = \mathbf{6500}$
20. $42 \times 90 = \mathbf{3780}$

Exercise-20

Solve the following word problems :

1. A train travels 189 km in 1 hour with a uniform speed. How far it will go in 17 hours with the same speed?

Sol.: Distance covered in 1 hr. = 189 km
Distance covered in 17 hrs. = 17 × 189 km
= 3213 kms. **Ans.**

Th	H	T	O
	1	8	9
	×	1	7
1	3	2	3
1	8	9	0
3	2	1	3

2. A railway wagon can carry 1225 bags of wheat. How many bags of wheat can be carried by 6 wagons?

Sol.: Number of bags in 1 wagon = 1225
Number of wagons = 6
Total number of bags in 6 wagons = 1225 × 6
= 7350 bags. **Ans.**

Th	H	T	O
1	2	2	5
		×	6
7	3	5	0

3. There are 60 minutes in an hour. How many minutes are there in 129 hours?

Sol.: Number of minutes in 1 hour = 60
Number of hours = 129
Total number of minutes in 129 hours = 129 × 60
= 7740 minutes. **Ans.**

Th	H	T	O
	1	2	9
	×	6	0
	0	0	0
7	7	4	0
7	7	4	0

4. There are 750 seats in a hall. How many seats are there in 13 such halls?

Sol.: Number of seats in 1 hall = 750
Number of halls = 13
Total number of seats in 13 halls = 750 × 13
= 9750 seats.
Ans.

Th	H	T	O
	7	5	0
	×	1	3
2	2	5	0
7	5	0	0
9	7	5	0

5. One basket has 198 toys in it. How many toys are there in 19 such baskets?

Sol.: Number of toys in one basket = 198
Number of baskets = 19
Total number of toys in 19 baskets = 198 × 19
= 3762 toys. **Ans.**

Th	H	T	O
	1	9	8
	×	1	9
1	7	8	2
1	9	8	0
3	7	6	2

6. The cost of one toy car is ₹ 272. Find the cost of 22 such cars?

Sol.: Cost of 1 toy car = ₹ 272
Cost of 20 toy cars = ₹ 272 × 20
= ₹ 5440. **Ans.**

Th	H	T	O
	2	7	2
	×	2	0
	0	0	0
5	4	4	0
5	4	4	0

7. A photo album has 297 pages. Each page has 19 stamps affixed on it. Find the total number of stamps affixed in the album.

Sol.: Number of pages = 297
Number of stamps on each page = 19
Total number of stamps = 297 × 19
= 5643 stamps. **Ans.**

Th	H	T	O
	2	9	7
	×	1	9
2	6	7	3
2	9	7	0
5	6	4	3

8. A basket has 367 oranges. A fruit seller purchased 15 baskets. How many oranges are there in 15 baskets?

Sol.: Number of oranges in one basket = 367
Number of baskets = 15
Total number of oranges in 15 baskets = 367 × 15
= 5505 oranges. **Ans.**

Th	H	T	O
	3	6	7
	×	1	5
1	8	3	5
3	6	7	0
5	5	0	5

9. There are 232 coconut trees in a farm house. One coconut trees has 16 coconuts. Find the number of coconuts?

Sol.: Number of coconut trees = 232
Number of coconut in 1 tree = 16
Total number of coconut in 16 trees
= 232 × 16
= 3712 coconuts. **Ans.**

Th	H	T	O
	2	3	2
	×	1	6
1	3	9	2
2	3	2	0
3	7	1	2

10. From a bus station 366 buses pass daily. Find the number of buses which will pass in 14 days.

Sol.: Number of buses passed in 1 day = 366
Number of buses passed in 14 days
= 366 × 14
= 5124 buses. **Ans.**

Th	H	T	O
	3	6	6
	×	1	4
1	4	6	4
3	6	6	0
5	1	2	4

11. There are 16 racks in a library. Each rack contain 318 books. How many books are there in the library?

Sol.: Number of racks = 16
Number of books in a rack = 318
Total number of books
= 318 × 16
= 5088 books. **Ans.**

Th	H	T	O
	3	1	8
	×	1	6
1	9	0	8
3	1	8	0
5	0	8	8

12. In a groove there are 19 trees in each row. If there are in all 197 rows of trees, how many trees are there in the groove?

Sol.: Number of trees in one row = 19
Number of rows = 197
Total number of trees in 19 rows = 197 × 19
= 3743 trees **Ans.**

Th	H	T	O
	1	9	7
	×	1	9
1	7	7	3
1	9	7	0
3	7	4	3

13. For the school day each pupil in a school was given a packet with 19 sweets. If there are 194 pupils in the school, how many sweets were given away?

Sol.: Number of sweets = 19
Number of pupils = 194
Total number of sweets given to 194 pupil
= 194 × 19
= 3686 sweets. **Ans.**

Th	H	T	O
	1	9	4
	×	1	9
1	7	4	6
1	9	4	0
3	6	8	6

14. There are 368 students in a college. Each one was given 14 notebooks. How many notebooks were given in all?

Sol.: Number of students = 368
Number of notebooks given to each = 15
Total number of notebooks given to 368 students = 368 × 15
= 5520 notebooks. **Ans.**

Th	H	T	O
	3	6	8
	×	1	5
1	8	4	0
3	6	8	0
5	5	2	0

Worksheet

A one-day cricket match was being played between India and Pakistan. There were thousands of spectators in the stands. Calculate the number of people in each stand (one chair has one person).

Ans. 1. Which stand had the highest number of people? **Stand E**
2. Which stand had the lowest number of people? **Stand A**

8 Division

Exercise-21

1. Divide by means of repeated subtraction and find the quotient :

(a) 72 ÷ 9

Sol.:

72 –9→ 63 (Ist) –9→ 54 (2nd) –9→ 45 (3rd) –9→ 36 (4th)
36 –9→ 27 (5th) –9→ 18 (6th) –9→ 9 (7th) –9→ 0 (8th)

∴ Quotient = 8 **Ans.**

(b) 30 ÷ 5

Sol.:

30 –5→ 25 (Ist) –5→ 20 (2nd) –5→ 15 (3rd) –5→ 10 (4th)
10 –5→ 5 (5th) –5→ 0 (6th)

∴ Quotient = 6 **Ans.**

(c) 64 ÷ 8

Sol.:

64 –8→ 56 (Ist) –8→ 48 (2nd) –8→ 40 (3rd) –8→ 32 (4th)
32 –8→ 24 (5th) –8→ 16 (6th) –8→ 8 (7th) –8→ 0 (8th)

∴ Quotient = 8 **Ans.**

(d) $54 \div 6$

Sol.:

54	48	42	36	30	24	18	12	6
−6	−6	−6	−6	−6	−6	−6	−6	−6
48	42	36	30	24	18	12	6	0
Ist	2nd	3rd	4th	5th	6th	7th	8th	9th

$\therefore$ Quotient = 9 **Ans.**

(e) $81 \div 9$

Sol.:

81	72	63	54	45	36	27	19	9
−9	−9	−9	−9	−9	−9	−9	−9	−9
72	63	54	45	36	27	18	9	0
Ist	2nd	3rd	4th	5th	6th	7th	8th	9th

$\therefore$ Quotient = 9 **Ans.**

(f) $27 \div 3$

Sol.:

27	24	21	18	15	12	9	6	3
−3	−3	−3	−3	−3	−3	−3	−3	−3
24	21	18	15	12	9	6	3	0
Ist	2nd	3rd	4th	5th	6th	7th	8th	9th

$\therefore$ Quotient = 9 **Ans.**

2. Write the corresponding division facts :

Ans.
(a) $16 \div 8 =$ **128 ÷ 16** **128 ÷ 8**
(b) $8 \times 9 =$ **72 ÷ 8** **72 ÷ 9**
(c) $17 \times 5 =$ **85 ÷ 17** **85 ÷ 5**
(d) $19 \times 6 =$ **114 ÷ 19** **114 ÷ 6**
(e) $18 \times 4 =$ **72 ÷ 18** **72 ÷ 4**
(f) $17 \times 7 =$ **119 ÷ 17** **119 ÷ 7**

3. Write the corresponding multiplication fact :

Ans.
(a) $64 \div 8 = 8 =$ **8 × 8**
(b) $48 \div 6 = 8 =$ **6 × 8**
(c) $52 \div 13 = 4 =$ **13 × 4**
(d) $72 \div 12 = 6 =$ **12 × 6**
(e) $77 \div 11 = 7 =$ **11 × 7**
(f) $54 \div 9 = 6 =$ **9 × 6**

4. Separate divident, divisor and quotient :

Ans.

		Divident	Divisor	Quotient
(a)	$88 \div 2 = 44$	**88**	**2**	**44**
(b)	$198 \div 9 = 12$	**198**	**9**	**12**
(c)	$120 \div 120 = 6$	**120**	**20**	**6**
(d)	$105 \div 15 = 7$	**105**	**15**	**7**
(e)	$121 \div 11 = 11$	**121**	**11**	**11**
(f)	$108 \div 12 = 9$	**108**	**12**	**9**

Exercise-22

Solve and find the quotient and remainder :

1. **289 ÷ 4 =**

$$\begin{array}{r} 4\overline{)289}(72 \\ -28\downarrow \\ \hline \times\ 9 \\ -\ 8 \\ \hline 1 \end{array}$$

Q = **72**, R = **1**

2. **363 ÷ 5 =**

$$\begin{array}{r} 5\overline{)363}(72 \\ -35\downarrow \\ \hline 13 \\ -\ 10 \\ \hline 3 \end{array}$$

Q = **72**, R = **3**

3. **427 ÷ 6 =**

$$\begin{array}{r} 6\overline{)427}(71 \\ -42\downarrow \\ \hline 7 \\ -\ 6 \\ \hline 1 \end{array}$$

Q = **71**, R = **1**

4. **912 ÷ 7 =**

$$\begin{array}{r} 7\overline{)912}(130 \\ -7\downarrow\ \ \ \\ \hline 21\ \ \\ -\ 21\downarrow \\ \hline 2\ 0 \\ \hline 2 \end{array}$$

Q = **130**, R = **2**

5. **864 ÷ 8 =**

$$\begin{array}{r} 8\overline{)864}(108 \\ -8\downarrow\downarrow \\ \hline 64 \\ -\ 64 \\ \hline 00 \end{array}$$

Q = **108**, R = **0**

6. **989 ÷ 9 =**

$$\begin{array}{r} 9\overline{)989}(109 \\ -9\downarrow\ \ \ \\ \hline 8\ \ \\ -\ 0\downarrow \\ \hline 89 \\ -\ 81 \\ \hline 8 \end{array}$$

Q = **109**, R = **8**

7. **721 ÷ 7 =**

$$\begin{array}{r} 7\overline{)721}(103 \\ -7\downarrow\downarrow \\ \hline 21 \\ -\ 21 \\ \hline 00 \end{array}$$

Q = **103**, R = **0**

8. **678 ÷ 6 =** 6)678(113
−6
7
− 6
18
18
00
Q = **113**, R = **0**

9. **516 ÷ 4 =** 4)516(129
−4
11
− 8
36
36
×
Q = **129**, R = **0**

10. **532 ÷ 3 =** 3)532(177
−3
23
− 21
22
− 21
01
Q = **177**, R = **1**

11. **129 ÷ 4 =** 4)129(32
−12
9
− 8
1
Q = **32**, R = **1**

12. **332 ÷ 2 =** 2)332(166
−2
13
− 12
12
− 12
00
Q = **166,** R = **0**

13. **105 ÷ 2 =** 2)105(52
−10
5
− 4
1
Q = **52**, R = **1**

14. **469 ÷ 3 =** 3)469(156
−3
16
− 15
19
− 18
1
Q = **152**, R = **1**

15. **810 ÷ 4 =** 4)810(202
−8
1
− 0
10
− 8
2
Q = **202**, R = **2**

Exercise-23

Solve and find the quotient and remainder :

1. **1294 ÷ 8 =** 8)1294(161
−8
49
− 48
14
− 8
6
Q = **161**, R = **6**

2. **6753 ÷ 7 =** 7)6753(964
−63
45
− 42
33
− 28
5
Q = **964**, R = **5**

3. **6256 ÷ 5 =** 5)6256(1251
−5
12
−10
25
−25
6
−5
01
Q = **1251**, R = **1**

4. **6529 ÷ 3 =** 3)6529(2176
−6
5
−3
22
−21
19
−18
1
Q = **2176**, R = **1**

5. **9835 ÷ 9 =** 9)9835(1092
−9
83
−81
25
−18
7
Q = **1092** R = **7**