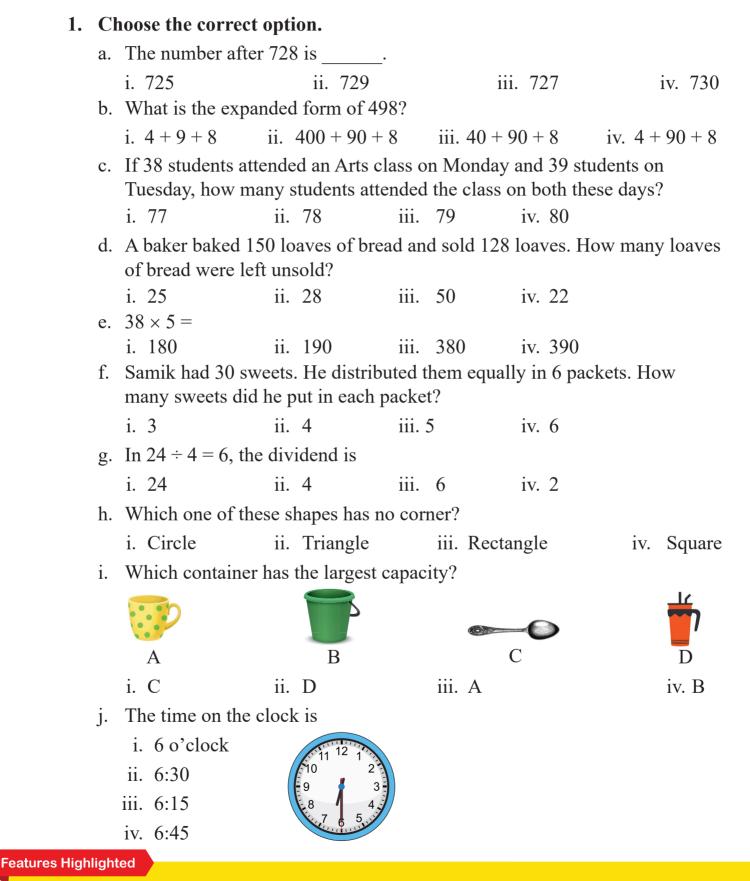
# Let's Recap!



### 2

# Addition, Subtraction and Their Applications

#### **Prior Knowledge**

- 8- and 9-digit numbers in both Indian and International Number Systems
- Place value and face value
- Comparing numbers
- Ascending and descending order

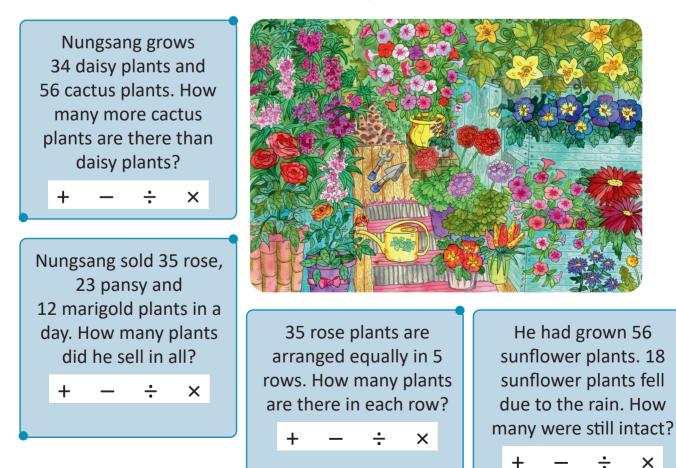
#### **Learning Objectives**

- Addition of large numbers
- Subtraction of large numbers
- Word problems on addition and subtraction

### Let's Get Started

Nungsang owns a nursery. He grows plants of many kinds.

Read the sentences and circle the correct operation.



#### Features Highlighted

Prior Knowledge: List of topics to help construct connections between old and new knowledge Learning Objectives List of main topics that will be covered in a chapter Let's Get Started Interactive exercise to begin a chapter with real-life connect and addressing 21st Century Skills **Law 3:**  $(a^m)^n = a^{m \times n}$ 

When a number with a power is raised to another power, the powers are multiplied. This is known as **power law**.

**Example 10:** Simplify the following expressions.

a.  $(8^4)^5$  b.  $(6^3)^8$ 

Solution: Using product law,

**Solution:** Using product law,  $(6^3)^8 = 6^{3 \times 8} = 6^{24}$ 

**Law 4:**  $a^{n}b^{n} = (ab)^{n}$ 

 $(8^4)^5 = 8^{4 \times 5} = 8^{20}$ 

That is, to multiply numbers that have the same exponent, the bases have to be multiplied. For example:  $4^3 \times 5^3 = (4 \times 5)^3$ 

**Law 5:** 
$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$

When a fraction is raised to a power, we raise both the numerator and the denominator of the fraction to the given power. For example:  $\left(\frac{3}{5}\right)^4 = \frac{3^4}{5^4}$ 

Law 6: Any non-zero number raised to the power 0 is 1. That is,  $a^0 = 1$ , where  $a \neq 0$ . For example:  $5^0 = 1$ ;  $2^0 = 1$ ;  $7^0 = 1$  and  $8^0 = 1$ 

Law 7: Any number raised to the power 1 is the number itself. That is,  $a^1 = a$ . For example:  $5^1 = 5$ ;  $452^1 = 452$  and  $1000^1 = 1000$ 

#### SIMPLIFYING THE EXPONENTIAL FORM OF EXPRESSIONS

Example 11: Simplify:  $(2^{4})^{3} - \frac{4^{4} \times 18^{4}}{81 \times 12^{3}}$ Solution: Applying  $(a^{m})^{n} = a^{m \times n}$ ,  $a^{m} \times a^{n} = a^{m + n}$  and  $a^{m} \div a^{n} = a^{m - n}$   $(2^{4})^{3} = 2^{4 \times 3} = 2^{12}$   $4^{4} = (2 \times 2)^{4} = 2^{4} \times 2^{4} = 2^{8}$   $18^{4} = (3 \times 3 \times 2)^{4} = 3^{4} \times 3^{4} \times 2^{4} = 3^{8} \times 2^{4}$   $81 = 3^{4}$  and  $12^{3} = (3 \times 2 \times 2)^{3} = 3^{3} \times 2^{3} \times 2^{3} = 3^{3} \times 2^{6}$   $(2^{4})^{3} - \frac{4^{4} \times 18^{4}}{81 \times 12^{3}} = 2^{12} - \frac{2^{8} \times 3^{8} \times 2^{4}}{3^{4} \times 3^{3} \times 2^{6}} = 2^{12} - \frac{3^{8} \times 2^{8 + 4}}{3^{4 + 3} \times 2^{6}} = 2^{12} - \frac{3^{8} \times 2^{12}}{3^{7} \times 2^{6}}$  $= 2^{12} - 3^{8 - 7} \times 2^{12 - 6} = 2^{12} - 3 \times 2^{6} = 2^{12} - (3 \times 64)$ 

$$=4096 - (3 \times 64) = 4096 - 192 = 3904$$

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Alert: Snippets to clear common misconceptions and mistakes

### SIMPLIFICATION OF A MATHEMATICAL EXPRESSION

To simplify any mathematical expression, the operations have to be performed in the given order.

1. Brackets

The brackets are simplified (removed) in the given order.

- a. Bar or Line bracket —
  b. Parentheses or Round brackets ()
  c. Curly brackets or Braces {}
  d. Square brackets or Box brackets []
- 2. Of 3. Division 4. Multiplication
- 5. Addition 6. Subtraction

This order can be remembered by the rule or word **BODMAS**.

Example 25: Simplify the following expression.

$$16 + 8 \div 4 - 2 \times 3$$

**Solution:**  $16 + 8 \div 4 - 2 \times 3$ 

$= 16 + 2 - 2 \times 3$	[Performing division]
= 16 + 2 - 6	[Performing multiplication]
= 18 - 6	[Performing addition]
= 12	[Performing subtraction]

**Example 26:** Simplify the following expressions.

a.  $36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$ **Solution:**  $36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$  $= 36 - [18 - \{14 - (15 - 2 \times 2)\}]$ [Performing division] [Performing multiplication]  $= 36 - [18 - \{14 - (15 - 4)\}]$  $= 36 - [18 - \{14 - 11\}]$ [Removing ()] = 36 - [18 - 3][Removing { }] = 36 - 15[Removing []] = 21b.  $27 - [18 - \{16 - (5 - \overline{4} - 1)\}]$ **Solution:**  $= 27 - [18 - \{16 - (5 - 3)\}]$  $= 27 - [18 - \{16 - 2\}]$ = 27 - [18 - 14]= 27 - 4= 23

#### Features Highlighted

A mathematical expression A mathematical expression is a collection of numbers connected by one or more of the mathematical operations of addition, subtraction,

multiplication and division.

### EXERCISE 3.4

#### Solve the following word problems.

- 1. A factory has 145 employees. Each employee gets ₹3170 in a week. What is the total amount that the factory gives out each week?
- 2. A television costs ₹43,775. A shopping mall installs 28 televisions. How much money did the shopping mall spend on the televisions?
- 3. A high-rise building has 25 floors. If there are 6875 bulbs and the bulbs are to be fitted equally among all the floors, how many bulbs will be fitted in each floor?
- 4. 17,884 spectators went to watch a football match. If each ticket costs ₹95, how much money was collected from the spectators?
- 5. A big library has 29,164 books. It has 23 rooms. The books are to be kept in the rooms such that each room has the same number of books. How many books will be kept in each room?
- 6. A teacher distributed 342 books among 25 students. How many books did each student get and how many books were left?
- 7. A class has 15 students. Each student is given 2 pens. How many pens do we need for 4 such classes?
- 8. Out of 250 tickets sold in a movie hall, 30 people did not come. The rest spend ₹12 each during the interval. What was the total amount they spent if each ticket cost ₹350?
- 9. ₹63,000 is to be distributed between 70 families. How much will each family get?
- 10. A total of 872 books are to be packed in 14 boxes. How many books will be packed and how many books will be left?
- 11. Out of 530 students in a school, 20 students were absent. The rest brought ₹5 each to buy a flag. What was the total amount collected?
- 12. A certain amount was distributed among 25 people. If each person received ₹500 and ₹175 was still left, what was the total amount?

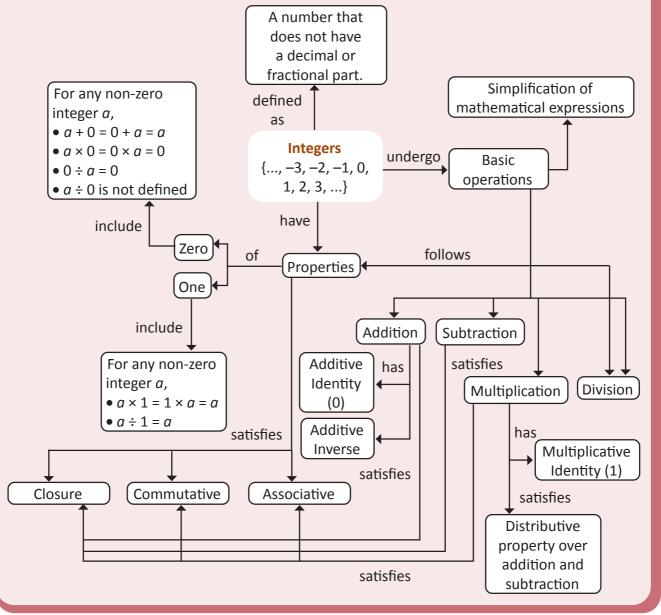
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### EXERCISE 1.7

#### Simplify using the BODMAS Rule.

- **1.**  $(-15) + 4 \div (5 3)$
- **3.**  $(-3) + (-8) \div (-4) 2 \times (-2)$
- 5.  $30 \div 5 \times 3 + (9 4)$
- 7.  $45 [38 \{60 \div 3 (6 9 \div 3) \div 3\}]$
- 9.  $7 [12 \times 6 + 13 \times 15 \div (-3)]$
- **11.**  $16 [8 \{15 + 12 \div (7 \overline{5 2})\}]$
- 2.  $(-40) \times (-1) + (-28) \div 7$ 4.  $-25 + 14 \div (5 - 3)$ 6.  $25 + 27 \div (2 + 7) - 5 \times 5$ 8.  $32 - [11 - 42 \div (11 + 8 \times 2 - 20)]$ 10.  $75 - [24 - \{16 - (5 - 4 - 1)\}]$ 12.  $21 \div (3 \text{ of } 2 - 4 + 5) - 2(16 - 7)$





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Key Concepts: A graphic organizer to recap the chapter

TEST PAPER 2

#### 1. Choose the correct option.

a.	The simplest fo	orm of $5\frac{1}{2}:1\frac{3}{8}$	is								
			iii. 5:1	iv. 6:1							
b.	If the cost of 25	chocolates is ₹	125, then the cost	of 15 chocolates is							
	i. ₹5	ii. ₹50	iii. <b>₹</b> 75	iv. <b>₹</b> 90							
с.	Profit is the dif	ference between	n the selling price	and the							
	i. loss	ii. cost price	iii. profit	iv. None of these							
d.	Rate of interest principal (P) is		simple interest (S	I), time (T) and							
	$P \times T$	ii. $\frac{100 \times T}{100 \times T}$	iii. $\frac{\text{SI} \times 100}{\text{P} \times \text{T}}$	iv. $\frac{SI \times T}{}$							
e.	Time taken (T)	by a vehicle in t	erms of speed (S)	and distance (D) is							
	i. D+S	ii. D×S	iii. D÷S	iv. S÷D							
Wri	te T for True an	Write T for True and F for False.									

- a. In a proportion, product of means = 2(product of extremes).
- b. 0.003 is expressed as 0.03%.
- c. If loss per cent and selling price (SP) are known, the cost price (CP) can be calculated as

 $CP = \frac{\{100\} \times SP}{100 - Loss\%}$ 

- d. The simple interest on ₹1000 at 5% for 2 years is ₹500.
- e. If an object travels equal distances in equal intervals of time, then the object has a uniform speed.

#### 3. Answer the following questions briefly.

- a. Find the simple interest on ₹75,000 at  $5\frac{1}{5}\%$  per annum for a year. Also find the amount.
- b. A person sold two wireless routers for ₹3000 each, gaining 20% on one and losing 20% on the other. Find the gain percentage or loss percentage.

#### 4. Answer the following questions.

- a. An amount of ₹462 is to be divided into three parts such that first one is  $\frac{3}{5}$  of the second and the ratio between the second and the third parts is 7 : 2. Find the three parts.
- b. A vehicle covers a certain distance in 52 minutes with a uniform speed of 60 km/h. How much time will it take to cover the same distance when its speed is decreased to 26 km/h?

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2.

## **REVISION EXERCISE**

1.	Fill in the blanks.								
	a.	. The product of a number multiplied by is that number itself.							
	b.	<ol> <li>The product of a number multiplied by is 0.</li> </ol>							
	c.	If the order of th	e r	number multiplied	l is	changed, the produ	uct	remains	
		the							
	d.	47,386 × 1 =							
	e.	79,248 × 0 =							
	f.	62,934 × 817 = 8	17	×					
	g.	A number divide	d k	oy remain	ns t	he same.			
	h.	A number divide	d k	y itself is equal to	)	·			
	i.	We cannot divid	e a	number by					
	j.	64,385 ÷ 1 =							
	k.	75,439 ÷ 75,439	= _						
	Ι.	To find the avera items.	ige,	, we the	tot	al of all the items b	y th	ne number of	
2.	Ma	atch the following	g.						
	a.	Division i.	Th	e leftover numbe	r				
	b.	Dividend ii.	Th	e number that div	/id	es the dividend			
	c.	Divisor iii.	Th	e number that is	bei	ng divided			
	d.	Quotient iv.	Eq	ual sharing or equ	Jal	grouping			
	e.	Remainder v.	Th	e number of time	s t	hat the divisor will ۽	go i	nto the dividend	
3.	M	ultiply the follow	ing	•					
	a.	7219 × 438	b.	2486 × 307	c.	92,145 × 86	d.	2517 × 531	
	e.	37,842 × 306	f.	5318 × 2583	g.	2,34,567 × 173	h.	4223 × 3809	
	i.	46,219 × 63	j.	21,268 × 2346	k.	32,784 × 3745	١.	10,869 × 1074	
4.	Div	vide the following	g.						
	a.	49,523 ÷ 24	b.	16,036 ÷ 25	c.	34,509 ÷ 13	d.	43,273 ÷ 70	
	e.	5,22,860 ÷ 52	f.	1,43,250 ÷ 125	g.	5,54,668 ÷ 46	h.	7,86,468 ÷ 112	
	i.	20,19,636 ÷ 125	j.	8,31,65,432 ÷ 72	k.	3,16,665 ÷ 155	١.	14,06,346 ÷ 62	
F	17	E4 manga canlin		vra plantad with /	12	anlings in each rou	., E	ind out the	

5. 1254 mango saplings are planted with 43 saplings in each row. Find out the number of complete rows and the number of saplings that will be left.

•

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### Answers

#### Chapter 1

			Exercise	1.1			
	1.	a. One		akh twenty-three thousan	d		
		eight	hundred seventy-fe	our			
		b. Two thirty		housand four hundred	6		
				irty-two thousand nine	٤		
			lred eighty-three				
			n crore twenty lakh Ired six	fifty-three thousand nine			
		e. Twer		thousand six hundred	1		
		f. Nine	-	-nine lakh ninety-eight ninety-nine	2		
	2.		20,072	initely inite			
			10,206				
		c. 11,00	),27,000				
		d. 21,90	),82,000				
			2,03,001				
	3.			red sixty-seven thousand	13		
			nundred thirty-one				
			nty-eight million sev				
			y-five million two he sand six hundred se	-	2		
				on five thousand seventy-			
		five		on nive thousand seventy			
		e. Four	hundred thirty-five hundred	million eight thousand	1		
				nt million seven hundred	2		
				hundred eighty-one			
	4.		-	00,004 c. 35,269,720	) 3		
				495,200			
	5.		ndian System of	International System of			
			Numeration	Numeration	8		
		b.	3,09,16,839	30,916,839	c		
		c.	20,97,10,342	209,710,342	11		
		d.	51,90,26,192	519,026,192	-		
	6.			9,438			
		c. 52,10		.,57,613	2		
	1		Exercise				
	1.	a. < e. =	b. < c. > f. >	> d. >			
	2.	Digit	Place Value	Face Value			
		4	4,00,00,000	4	2		
		3	30,00,000	3	5		
		2	20	2			
	2				6		
	3. a. 19,970       b. 4,99,991         c. 6400       d. 59,91,000						
	c. 6400 d. 59,91,000 4. a. 5,32,79,169 < 5,32,79,660 < 5,32,79,679 <						
	5,32,79,969 < 53,27,96,699						
				21 < 43,92,80,021 <	٤		
			2,80,091 < 43,92,86				
Features	s Hig	hlighted					

5. a. $63,97,74,989 > 63,97,74,988 > 63,97,74,918 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,77,498 > 6,39,74,910 > 7,20,00,010 > 7,20,00,010 > 7,20,00,010 > 7,20,00,010 > 7,20,00,001 > 7,20,00,000 = 0,99,99,99,999 = c. 9,87,54,210 d. 10,23,45,778 = Exercise 1.3 1. a. 1 b. L c. M d. V e. C f. D 2. a. XXI b. L c. XX f. LXXIX g. LXXX h. LXXV i. XC j. C k. XCIX I. D m. DCCC n. CCXCIII o. DXXVIII p. M q. CDLXVII r. CMXXXV s. MMMDCLXXIX t. MMCMXLI 3. a. 8 b. 16 c. 20 d. 30 e. 39 f. 40 g. 49 h. 10 i. 77 j. 98 k. 100 I. 159 4. a. < b. < c. < 5 a, e, f Exercise 1.4 1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330 2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700 3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000 4. 89,300 5. 6,62,000 6. 25,080 7. 9,36,000 8. 5,26,80,000 9. a. 46,930 b. 47,000 c. 47,000 10. About 27,900 visitors attended the book fair. Revision Exercise 1. a. iv b. iii c. i d. i e. iii f. iii 2. a. False b. False c. False d. True e. True 3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred eighty-three b. One hundred sixteen 6. 34,000,926 7. a. Indian System: i. 965,897 ii. 200,5568,914 iii. 5,86,24,510 8. 23,87,989 < 5,86,23,486 < 6,08,49,493 < 37,86,41,386 < 96,86,00,136$											
6,39,77,498 > 6,39,77,488 b. 72,00,00,010 > 72,00,00,001 > 7,20,00,100 > 7,20,00,010 = 7,20,00,001 = 7,20,00,100 > 7,20,00,010 = 7,20,00,000 = 9,39,48,90,181 7. a. 9,32,19,899 b. 49,68,09,918 8. a. 1,00,00,000 b. 99,99,99,999 = c. 9,87,54,210 d. 10,23,45,789 = e. 9,97,63,310 f. 1,33,35,778 = Exercise 1.3 1. a. 1 b. L c. M d. V e. C f. D 2. a. XXI b. L c. XXX d. LXXY i. XC j. C k. XCIX I. D m. DCCC n. CCXCIII o. DXXVIII p. M q. CDLXVI r. CMXXV s. MMMDCLXXX t. MMCMXLI 3. a. 8 b. 16 c. 20 d. 30 e. 39 f. 40 g. 49 h. 10 i. 77 j. 98 k. 100 l. 159 4. a. < b. < c. < 5 5. a, e, f Exercise 1.4 1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330 2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700 3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000 4. 89,300 5. 6,62,000 6. 25,080 7. 9,36,000 8. 52,680,000 9. a. 46,980 b. 47,000 c. 47,000 10. About 27,900 visitors attended the book fair. Revision Exercise 1. a. iv b. iii c. i d. i e. iii f. iii 2. a. False b. False c. False d. True e. True 3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred sixteen 6. 34,00,0926 7. a. Indian System: i. 965,897 ii. 20,05,68,914 iii. 5,86,24,510 8. 23,87,989 < 5,86,23,486 < 6,08,49,493 < 37,86,41,386	ł	5.	a.	63,97,7	74,9	989 >	63,9	97,7	4,988	> 63	,97,74,918 >
7,20,00,010 > 7,20,00,001 6. a. 5,68,94,910 b. 39,48,90,181 7. a. 9,32,19,899 b. 49,68,09,918 8. a. 1,00,00,000 b. 99,99,99,999 c. 9,87,54,210 d. 10,23,45,789 e. 9,97,63,310 f. 1,33,35,778 Exercise 1.3 1. a. I b. L c. M d. V e. C f. D 2. a. XXI b. L c. XXX d. LXVI e. LXX f. LXXIX g. LXXX h. LXXXV i. XC j. C k. XCIX I. D m. DCCC n. CCXCIII o. DXXVIII p. M q. CDLXVII r. CMXXVV s. MMMDCLXXIX t. MMCMXLI 3. a. 8 b. 16 c. 20 d. 30 e. 39 f. 40 g. 49 h. 10 i. 77 j. 98 k. 100 I. 159 4. a. < b. < c. < 5. a, e, f Exercise 1.4 1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330 2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700 3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000 4. 89,300 5. 6,62,000 6. 25,080 7. 9,36,000 9. a. 46,980 b. 47,000 c. 47,000 10. About 27,900 visitors attended the book fair. Revision Exercise 1. a. iv b. iii c. i d. i e. iii f. iii 2. a. False b. False c. False d. True e. True 3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred sixteen 6. 34,000,926 7. a. Indian System: i. 9,65,897 ii. 20,0568,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 20,0568,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 20,0568,914 iii. 5,86,24,510 8. 23,87,989 < 5,86,23,486 < 6,08,49,493 < 37,86,41,386	j										
6. a. $5,68,94,910$ b. $39,48,90,181$ 7. a. $9,32,19,899$ b. $49,68,09,918$ 8. a. $1,00,000$ b. $99,99,99,999$ c. $9,87,54,210$ d. $10,23,45,789$ e. $9,97,63,310$ f. $1,33,35,778$ Exercise $1.3$ 1. a. I b. L c. M d. V e. C f. D 2. a. XXI b. L c. XXX d. LXVI e. LXX f. LXXIX g. LXXX h. LXXV i. XC j. C k. XCIX I. D m. DCCC n. CCXCIII o. DXXVIII p. M q. CDLXVII r. CMXXVV s. MMMDCLXXIX t. MMCMXLI 3. a. 8 b. 16 c. 20 d. 30 e. 39 f. 40 g. 49 h. 10 i. 77 j. 98 k. 100 I. 159 4. a. < b. < c. < 5. a, e, f Exercise $1.4$ 1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330 2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700 3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000 4. 89,300 5. 6,62,000 6. 25,080 7. 9,36,000 8. 5,26,80,000 9. a. 46,980 b. 47,000 c. 47,000 10. About 27,900 visitors attended the book fair. Revision Exercise 1. a. iv b. iii c. i d. i e. iii f. iii 2. a. False b. False c. False d. True e. True 3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred eighty-three b. One hundred three million twenty-seven thousand five 4. 3,00,005 5. Thirty-five million four hundred ninety-eight thousand seven hundred sixteen 6. 34,000,926 7. a. Indian System: i. 965,897 ii. 200,568,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 200,568,914 iii. 58,624,510 8. 23,87,989 < 5,86,23,486 < 6,08,49,493 < 37,86,41,386	ġ		b.								
7.       a.       9,32,19,899       b.       49,68,09,918         8.       a.       1,00,00,000       b.       99,99,999         c.       9,87,54,210       d.       10,23,45,789         e.       9,97,63,310       f.       1,33,35,778         Exercise 1.3         1.       a.       I       b.       L       c.       M         d.       V       e.       C       f.       D         2.       a.       XXI       b.       L       c.       XXX         d.       LXVI       e.       LXX       f.       LXXIX         g.       LXXX       h.       LXXV       i.       XC         j.       C       k.       XCIX       I.       D         m.       DCCC       n.       CCXCIII       o.       DXXVIII         p.       M       q.       CDLXVII       r.       CMXXV         s.       MMMDELXXIX       t.       MMCMXUI       MMCMXUI         3.       a.       b.       2       C.          4.       a.       40       b.       250       C.       6980         d.											
8. a. $1,00,00,000$ b. $99,99,99,999$ c. $9,87,54,210$ d. $10,23,45,789$ e. $9,97,63,310$ f. $1,33,35,778$ Exercise 1.3 1. a. I b. L c. M d. V e. C f. D 2. a. XXI b. L c. XXX d. LXVI e. LXX f. LXXIX g. LXXX h. LXXXV i. XC j. C k. XCIX l. D m. DCCC n. CCXCIII o. DXXVIII p. M q. CDLXVII r. CMXXV s. MMMDCLXXIX t. MMCMXLI 3. a. 8 b. 16 c. 20 d. 30 e. 39 f. 40 g. 49 h. 10 i. 77 j. 98 k. 100 l. 159 4. a. < b. < c. < 5. a, e, f Exercise 1.4 1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330 2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700 3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000 4. 89,300 5. 6,62,000 6. 25,080 7. 9,36,000 8. 5,26,80,000 9. a. 46,980 b. 47,000 c. 47,000 10. About 27,900 visitors attended the book fair. Revision Exercise 1. a. iv b. iii c. i d. i e. iii f. iii 2. a. False b. False c. False d. True e. True 3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred eighty-three b. One hundred three million twenty-seven thousand five 4. 3,00,005 5. Thirty-five million four hundred ninety-eight thousand seven hundred sixteen 6. 34,000,926 7. a. Indian System: i. 965,897 ii. 200,568,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 200,568,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 200,568,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 200,568,914 iii. 5,86,24,510	ł	6.	a.	5,68,94	1,91	.0	b.	39,	48,90,	181	
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d.       V       e.       C       f.       D         2.       a.       XXI       b.       L       c.       XXX         d.       LXVI       e.       LXX       f.       LXXIX         g.       LXXX       h.       LXXV       i.       XC         j.       C       k.       XCIX       I.       D         m.       DCCC       n.       CCXCIII       o.       DXXVIII         p.       MC       C.       CXXIV       t.       MMMCMXIX         3.       a.       b.       16       c.       20         d.       30       e.       39       f.       40         g.       49       h.       10       i.       77         j.       98       k.       100       l.       159         4.       a.        b.       250       c.       6980         d.       46,730       e.       2,98,330       2.       a.       100       b.       200       c.       6400         d.       46,730       e.       2,98,330       2.       a.       16,000       d.       6,26,000       a.	ł	1	2		h		Exe				
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s.       MMMDCLXXIX       t.       MMCMXLI         3.       a.       8       b.       16       c.       20         d.       30       e.       39       f.       40         g.       49       h.       10       i.       77         j.       98       k.       100       l.       159         4.       a.        b.        c.          5.       a, e, f       Exercise       1.4       1.       a.       40       b.       250       c.       6980         d.       46,730       e.       2,98,330       2.       a.       100       b.       200       c.       6400         d.       57,600       e.       9,87,700       3.       a.       2000       b.       3000       c.       16,000         d.       6,26,000       e.       17,49,000       c.       47,000       16.       25,080       7.       9,36,000         8.       5,26,80,000       9.       a.       46,980       b.       47,000       c.       47,000         10.       About 27,900 visitors attended the book fair. <b>Revision Exercise</b> 1.	j		m.	DCCC		n.	CC>	CIII		о.	DXXVIII
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d. 30 e. 39 f. 40 g. 49 h. 10 i. 77 j. 98 k. 100 l. 159 4. a. < b. < c. < 5. a, e, f <b>Exercise 1.4</b> 1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330 2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700 3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000 4. 89,300 5. 6,62,000 6. 25,080 7. 9,36,000 8. 5,26,80,000 9. a. 46,980 b. 47,000 c. 47,000 10. About 27,900 visitors attended the book fair. <b>Revision Exercise</b> 1. a. iv b. iii c. i d. i e. iii f. iii 2. a. False b. False c. False d. True e. True 3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred three million twenty-seven thousand nine hundred three million twenty-seven thousand five 4. 3,00,005 5. Thirty-five million four hundred ninety-eight thousand five 4. 3,00,005 5. Thirty-five million four hundred ninety-eight thousand seven hundred sixteen 6. 34,000,926 7. a. Indian System: i. 9,65,897 ii. 20,05,68,914 iii. 5,86,24,510 b. International System: i. 965,897 ii. 20,05,68,914 iii. 58,624,510 b. International System: i. 965,897 ii. 200,568,914 iii. 58,624,510 b. International System: i. 965,897 ii. 200,568,914 iii. 58,624,510 8. 23,87,989 < 5,86,23,486 < 6,08,49,493 < 37,86,41,386	ł		s.	MMM	DCL					t.	MMCMXLI
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<ul> <li>j. 98 k. 100 l. 159</li> <li>4. a. &lt; b. &lt; c. &lt;</li> <li>5. a, e, f</li> <li>Exercise 1.4</li> <li>1. a. 40 b. 250 c. 6980 d. 46,730 e. 2,98,330</li> <li>2. a. 100 b. 200 c. 6400 d. 57,600 e. 9,87,700</li> <li>3. a. 2000 b. 3000 c. 16,000 d. 6,26,000 e. 17,49,000</li> <li>4. 89,300 5. 6,62,000</li> <li>6. 25,080 7. 9,36,000</li> <li>8. 5,26,80,000</li> <li>9. a. 46,980 b. 47,000 c. 47,000</li> <li>10. About 27,900 visitors attended the book fair. Revision Exercise</li> <li>1. a. iv b. iii c. i d. i e. iii f. iii</li> <li>2. a. False b. False c. False d. True e. True</li> <li>3. a. Seven crore twenty-eight lakh forty-nine thousand nine hundred eighty-three b. One hundred three million twenty-seven thousand five</li> <li>4. 3,00,005</li> <li>5. Thirty-five million four hundred ninety-eight thousand seven hundred sixteen</li> <li>6. 34,000,926</li> <li>7. a. Indian System: <ul> <li>i. 9,65,897</li> <li>ii. 20,568,914</li> <li>iii. 58,624,510</li> <li>b. International System:</li> <li>i. 965,897</li> <li>ii. 200,568,914</li> <li>iii. 58,624,510</li> </ul> </li> </ul>	ł										
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Answer Key Solution to Exercises and Revision Exercise