

CH - 5 ADDITION

5.1 ADDITION – 4 DIGIT NUMBERS:

Try these sums:

TH	H	T	O
	2	4	6
+	7	6	9
1	0	1	5

TH	H	T	O
	9	2	4
+	5	6	8
1	4	9	2

TH	H	T	O
	7	9	5
+	2	6	9
1	0	6	4

TH	H	T	O
	5	4	6
+	2	9	8
	8	4	4

TH	H	T	O
	3	5	4
+	9	5	7
1	3	1	1

TH	H	T	O
	4	7	9
+	1	7	6
	6	5	5

Add the following:

TH	H	T	O
8	9	7	4
+1	9	0	3
10	8	7	7

TH	H	T	O
6	1	8	5
+3	6	6	5
9	8	5	0

TH	H	T	O
4	0	7	9
+2	9	6	4
7	0	4	3

TH	H	T	O
2	4	0	1
+1	6	6	8
4	0	6	9

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

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

5.2 WRITING NUMBERS IN VERTICAL FORM:

Try these sums: (Addition)

b) 13,855

b) 12,555

c) 16,163

d) 7694

5.3 REGROUPING OF NUMBERS:

Try these sums:

a) 82 tens 17 ones

$$= (82 + 1) \text{ tens} + 7 \text{ ones}$$

$$= 83 \text{ tens} + 7 \text{ ones}$$

$$= 8 \text{ hundreds} + 3 \text{ tens} + 7 \text{ ones}$$

$$= 837$$

b) 57 tens 5 ones

$$= 5 \text{ Hundreds} + 7 \text{ tens} + 5 \text{ ones}$$

$$= 575$$

b) 7 hundreds 25 tens 8 ones

$$= (7+2) \text{ hundreds} + 5 \text{ tens} + 8 \text{ ones}$$

$$= 9 \text{ hundreds} + 5 \text{ tens} + 8 \text{ ones}$$

$$= 958$$

d) 18 hundreds 15 tens 35 ones

$$= (18+1) \text{ hundreds} + (5+3) \text{ tens} + 5 \text{ ones}$$

$$= 19 \text{ hundreds} + 8 \text{ tens} + 5 \text{ ones}$$

$$= 1985$$

Adding the numbers in the horizontal form itself:

Try these sums:

f) $75 + 45 = 120$

g) $72 + 56 = 128$

h) $94 + 31 = 125$

i) $120 + 310 = 430$

j) $236 + 351 = 587$

5.4 WORD PROBLEMS ON ADDITION:

2. Nick drew 2318 stars on his paper. Brownie drew 3199 stars on her paper. How many stars did they draw altogether?

$$\text{Stars drawn by Nick} = 2318$$

$$\text{Stars drawn by Brownie} = + \underline{3199}$$

$$\text{Total} = + \underline{5517}$$

3. On Monday, Manoj scored 1382 points on his video game. He scored 3210 points on Tuesday and 1279 points on Wednesday. How many points did Manoj score altogether?

$$\text{Manoj's score on video game,} = 11$$

$$\text{On Monday} = 1382$$

$$\text{On Tuesday} = 3210$$

$$\text{On Wednesday} = + \underline{1279}$$

$$\underline{5871}$$

5. A farmer planted 1245 mango tree , 2876 apple tree and 5671 cherry trees. How many trees did he plant in all?

A farmer planted trees,

No. of mango trees = 1 2 4 5

No. of apple trees = 2 8 7 6

No. of cherry trees = + 5 6 7 1

9 7 9 2

CH - 6 SUBTRACTION

6.1 SUBTRACTION - 4 DIGIT NUMBERS:

Try these sums: (Subtraction)

Th	H	T	O
		3	13
5	2	4	3
-2	1	2	6
3	1	1	7

Th	H	T	O
		2	11
3	5	3	1
-1	1	2	5
2	4	0	6

Th	H	T	O
1	14		
2	4	8	3
-1	6	3	1
0	8	5	2

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

Th	H	T	O
6	12		
7	2	5	8
-4	6	3	6
2	6	2	2

Th	H	T	O
		2	13
5	7	3	3
-2	0	1	5
3	7	1	8

Find the difference and check the answer:

Try these sums and check the answer:

a) $5468 - 1379 = 4089$ Check: $4089 + 1379 = 5468$

b) $7493 - 2947 = 4546$ Check: $4546 + 2947 = 7493$

Find the difference: (Arrange and subtract)

a) $2819 - 1899 = 920$ b) $7457 - 1392 = 6065$

Subtract the following:

d) 5597 from 6758

$$\begin{array}{r} 6758 \\ - 5597 \\ \hline 1161 \end{array}$$

b) 3648 from 9583

$$\begin{array}{r} 9583 \\ - 3648 \\ \hline 5935 \end{array}$$

6.2 SUBTRACTING ACROSS ZEROS:

Try these sums:

d) $9709 - 9133 = 576$

c) $8073 - 1448 = 6625$

e) $5570 - 3408 = 2162$

d) $4039 - 1923 = 2116$

6.3 FINDING THE MISSING NUMBERS:

f) _____ - 149 = 85

$$\begin{array}{r} 149 \\ + 85 \\ \hline 234 \end{array}$$

d) $928 - \text{_____} = 624$

$$\begin{array}{r} 928 \\ - 624 \\ \hline 304 \end{array}$$

6.4 WORD PROBLEMS ON SUBTRACTION:

2. There are 8265 ants in a colony. 3817 ants leave the colony to find food. How many are left?

$$\begin{array}{r} \text{No. of ants in a colony} = 8265 \\ \text{No. of ants left the colony} = - 3817 \\ \hline 4448 \end{array}$$

Therefore number of ants left is 4448

3. A theatre has a capacity of 2286 seats. During a performance, 938 seats are empty. How many seats are filled?

$$\begin{array}{r} \text{No. of seats in a theatre} = 2286 \\ \text{No. of seats are empty} \\ \text{during a performance} = -938 \\ \hline 1348 \end{array}$$

Therefore no. of seats filled during performance is 1348.

7. ROUNDING NUMBERS

7.1 ORDERING OF NUMBERS:

Try these sums:

a) $\underline{5} 8 = 60$

b) $\underline{6} 8 0 = 700$

c) $\underline{7} 1 9 = 700$

Round to the nearest ten.

a) $23 = 20$

b) $66 = 70$

c) $53 = 50$

To the nearest hundred.

a) $295 = 300$

b) $415 = 400$

c) $892 = 900$

Round to the nearest ten and add or subtract:

Try these sums:

a) $27 + 53$

b) $76 - 58$

$30 + 50 = 80$

$80 - 60 = 20$

Round to the nearest hundred and add or subtract:

b) $413 - 255$

$= 400 - 300$

$= 100$

b) $865 + 529$

$= 900 + 500$

$= 1400$

c) $568 - 407$

$= 600 - 400$

$= 200$

d) $715 + 638$

$= 700 + 600$

$= 1300$

e) $356 - 212$

$= 400 - 200$

$= 200$

f) $698 + 320$

$= 700 + 300$

$= 1000$

CH - 8 MULTIPLICATION

8.1 MULTIPLICATION BY REPEATED ADDITION:

Relation of Addition and Multiplication

1. Addition $5+5+5+5+5 = 25$

Multiplication $5 \times 5 = 25$

2. Addition $8+8+8+8 = 32$

Multiplication $4 \times 8 = 32$

3. Addition $9+9+9+9+9 = 45$

Multiplication $5 \times 9 = 45$

4. Addition $2+2+2+2+2 = 10$

Multiplication $5 \times 2 = 10$

Multiplication tables:

c) $6 \times 5 = 30$

c) $8 \times 8 = 64$

e) $5 \times 7 = 35$

d) $4 \times 9 = 36$

d) $7 \times 6 = 42$

f) $8 \times 3 = 24$

1. Write the correct numeral in the missing place:

a) $7 \times \underline{4} = 4 \times 7 = \underline{28}$

b) $7 \times \underline{5} = 5 \times 7 = \underline{35}$

c) $9 \times 7 = \underline{7} \times 9 = \underline{63}$

d) $6 \times 9 = 9 \times \underline{6} = \underline{54}$

e) $5 \times 3 = \underline{3} \times \underline{5} = \underline{15}$.

8.3 ROLE OF 0 AND 1 MULTIPLICATION:

Try these sums:

b) $1 \times 7 = \underline{7}$

c) $0 \times 9 = \underline{0}$

e) $2 \times 1 = \underline{2}$

b) $3 \times 0 = \underline{0}$

d) $6 \times 1 = \underline{6}$

d) $9 \times 1 = \underline{9}$

Multiplying numbers by a single digit:

Try these sums:

$$\begin{array}{r} 2 \\ \text{a) } 9 \ 4 \\ \times \ 6 \\ \hline \underline{564} \end{array}$$

$$\begin{array}{r} 6 \\ \text{b) } 2 \ 9 \\ \times \ 7 \\ \hline \underline{203} \end{array}$$

$$\begin{array}{r} 1 \\ \text{c) } 6 \ 3 \\ \times \ 4 \\ \hline \underline{252} \end{array}$$

$$\begin{array}{r} 6 \ 4 \\ \text{d) } 2 \ 8 \ 6 \\ \times \ 7 \\ \hline \underline{2002} \end{array}$$

$$\begin{array}{r} 1 \\ \text{e) } 5 \ 4 \ 0 \\ \times \ 4 \\ \hline \underline{2160} \end{array}$$

$$\begin{array}{r} 1 \ 3 \\ \text{f) } 9 \ 1 \ 5 \\ \times \ 7 \\ \hline \underline{6405} \end{array}$$

Write it in vertical form and then multiply:

e) $475 \times 2 = 950$

f) $830 \times 8 = 6640$

c) $593 \times 7 = 4151$

8.4 MULTIPLYING BY 10 AND 100:

1. Find the product:

a) $76 \times 10 = 760$

b) $659 \times 10 = 6590$

g) $98 \times 100 = 9800$

d) $524 \times 10 = 5240$

e) $60 \times 100 = 6000$

f) $63 \times 100 = 6300$

2. Fill in the blanks:

a) $72 \times 100 = 7200$

b) $61 \times \underline{100} = 6100$

h) $28 \times \underline{10} = 280$

d) $100 \times 15 = \underline{1500}$

e) $\underline{10} \times 42 = 420$

f) $\underline{0} \times 86 = 0$

Try these sums:

a) $43 \times 30 = 1290$

b) $34 \times 40 = 1360$

c) $28 \times 500 = 14000$

d) $41 \times 400 = 16400$

8.5 MULTIPLYING BY 2 – DIGIT NUMBERS:

Try these sums:

b) $254 \times 36 = 9,144$

b) $724 \times 35 = 25,340$

8.6 WORD PROBLEMS ON MULTILPLICATION:

2. 35 boxes of apples came from kullu. Each box has 187 apples. What is the total number apples ?

No. of boxes of apples = 35

No. of apples in each box = 187

Total number of apples = 187

x 35

935

5610

6545

3. In one day there are 24 hours. How many hours are there in the month of March?

No. of hours in one day = 24

No. of days in March = 31

No. of hours in the march :

$$\begin{array}{r} 24 \\ \times 31 \\ \hline 24 \\ 720 \\ \hline 744 \end{array}$$

4. There were 529 trees in one park. If the same number of trees grew in 17

Such parks, how many trees would there be in all?

No. of trees in one park = 529

**No. of trees to be grown in
Parks = 17**

**Total no. of trees would be
there in all parks =**

$$\begin{array}{r} 529 \\ \times 17 \\ \hline 3703 \\ 5290 \\ \hline 8993 \end{array}$$