

FA2 SOLVED ASSIGNMENT

Class: 3rd

Subject: Math

Chapter: Addition

Ex: 3.1

1. Add the following numbers.

a)

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

b)

H	T	O
1	5	7
+ 2	4	2
3	9	9

c)

H	T	O
3	3	3
+ 2	2	2
5	5	5

d)

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

e)

H	T	O
7	6	1
+ 1	3	6
8	9	7

f)

H	T	O
4	1	2
+ 5	8	0
9	9	2

g) to i)

Try yourself

2. Add the following numbers. Carry over digits wherever necessary.

a)

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

b)

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

c)

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

d) to i)

Try yourself.

3. Arrange the given numbers in columns and add.

a) 128 and 251.

Sol:

$$\begin{array}{r} \text{H T O} \\ 128 \\ + \underline{251} \\ \underline{379} \end{array}$$

b) 236 and 452

$$\begin{array}{r} \text{H T O} \\ 236 \\ + \underline{452} \\ \underline{688} \end{array}$$

c) 355 and 422

Sol

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 5 \quad 5 \\ + \quad \underline{4 \quad 2 \quad 2} \\ \underline{7 \quad 7 \quad 7} \end{array}$$

d) 632 and 154

Sol

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 6 \quad 3 \quad 2 \\ + \quad \underline{1 \quad 5 \quad 4} \\ \underline{7 \quad 8 \quad 6} \end{array}$$

e) 229 and 654

Sol

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 2 \quad 2 \quad 9 \\ + \quad \underline{6 \quad 5 \quad 4} \\ \underline{8 \quad 8 \quad 3} \end{array}$$

f) 457 and 374

Sol:

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 4 \quad 5 \quad 7 \\ + \quad \underline{3 \quad 7 \quad 4} \\ \underline{8 \quad 3 \quad 1} \end{array}$$

g) to j) Try yourself.

Ex: 3.2

1. Add the following numbers.

a)

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

b)

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

c) to f) Try yourself.

2 Add the following numbers.

a)

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

b)

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

c)

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

d) to g) Try yourself

h)

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

i)

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

3 . Arrange the numbers in columns and add in your notebook.

a) $2817 + 2993$

Sol

$$\begin{array}{r} 2817 \\ + 2993 \\ \hline 5810 \end{array}$$

b) $3675 + 2678$

Sol

$$\begin{array}{r} 3675 \\ + 2678 \\ \hline 6353 \end{array}$$

c) $962+5298$

Sol

$$\begin{array}{r} 5298 \\ + \underline{962} \\ \hline 6260 \end{array}$$

d) $4892+ 2743$

Sol

$$\begin{array}{r} 4892 \\ + \underline{2743} \\ \hline 7635 \end{array}$$

e) $3542 + 1902$

Sol

$$\begin{array}{r} 3542 \\ + \underline{1902} \\ \hline 5444 \end{array}$$

f) $4567 + 3698$

Sol

$$\begin{array}{r} 4567 \\ + \underline{3698} \\ \hline 8265 \end{array}$$

g) $2853+5907$

Sol

$$\begin{array}{r} 2853 \\ + \underline{5907} \\ \hline 8760 \end{array}$$

h) To i) Try yourself

Ex: 3.3

1. Add the following numbers.

a)

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

b)

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

d) to f) Try yourself

2. Arrange the numbers in columns and add in your notebook.

a) $2187 + 2539 + 425$

Sol

$$\begin{array}{r}
 2187 \\
 2539 \\
 + \underline{425} \\
 \hline
 5151
 \end{array}$$

b) $1012 + 2678 + 3675$

Sol

$$\begin{array}{r}
 1012 \\
 2678 \\
 + \underline{3675} \\
 \hline
 7365
 \end{array}$$

c) $3246+5032+962$

Sol

$$\begin{array}{r} 3246 \\ 5032 \\ + \quad \underline{962} \\ \hline 9240 \end{array}$$

d) $1026+4892+2743$

Sol

$$\begin{array}{r} 1026 \\ 4892 \\ + \quad \underline{2743} \\ \hline 8661 \end{array}$$

e) To j) Try yourself.

K) $2802 + 1589+3252$

Sol

$$\begin{array}{r} 2802 \\ 1589 \\ + \quad \underline{3252} \\ \hline 7643 \end{array}$$

l) $1765+1456+1005$

Sol:

$$\begin{array}{r} 1765 \\ 1456 \\ + \quad \underline{1005} \\ \hline 4226 \end{array}$$

Ex: 3.4

Fill in the blanks.

1. $569+872= 872 + \underline{569}$

2. $2789 + \underline{3241} = 3241 + 2789$

3. $\underline{4723} + 7892 = 7892+ 4723$

4. $7652 +9002 = \underline{7652} + 9002$

5. $1920 +672+ \underline{2453} = 672+2453+1920$

6. $4567+\underline{7461} +5390 =7461 + 5390+4567$

7. to 9 Try yourself.

Ex: 3.5

1. Calculate the following sums by estimating them to the nearest hundreds and compare them with the actual sums.

a) $256+538$

Sol:

Rounding off the numbers to nearest hundreds

$$256=300$$

$$538=500$$

The estimated sum =

$$300+500=800$$

The actual sum=

$$256+538= 794$$

b) $601+241$

Sol

Rounding off the numbers to nearest hundreds

$$601=600$$

$$241=200$$

The estimated sum =

$$600+200=800$$

The actual sum=

$$601+241= 842$$

c) $142+782$

Sol

The estimated sum=

$$100+800= 900$$

The actual sum=

$$142+782= 924$$

d) to f) Try yourself

2. There are 214 red marbles, 174 blue marbles and 386 green marbles in a jar. Estimate the number of marbles in the jar. Also, calculate the actual number of marbles.

Sol:

Number of red marbles=214

Number of blue marbles=174

Number of green marbles= 386

Actual sum of marbles=

$$214+174+386=774$$

Estimated red marbles= 200

Estimated blue marbles=200

Estimated green marbles= 400

Estimated sum of marbles=

$$200+200+400=800$$

Ex: 3.6

1. A farmer grew 1879 pumpkins last year. This year, he grew 762 pumpkins more. How many pumpkins did he grow this year?

Sol:

Number of pumpkins farmer grew last year=1879

Number of more pumpkins he grew this year= 762

Total number of pumpkins=

$$\begin{array}{r} 1879 \\ + \quad 762 \\ \hline 2641 \end{array}$$

2. A toy shop sold 2654 toys last month and 3578 toys this month. How many toys were sold in both the months together?

Sol

Number of toys sold last year= 2654

Number of toys sold this month= 3578

Total number of toys=

$$\begin{array}{r} 2654 \\ + 3578 \\ \hline 6232 \end{array}$$

3. A car dealer sold 2634 cars in the year 2010, 2458 cars in 2011 and 3562 cars in 2012. How many cars in all did he sell in these three years?

Sol) Number of cars sold in 2010 = 2634

Number of cars sold in 2011= 2458

Number of cars sold in 2012=3562

Total number of cars=

$$\begin{array}{r} 2634 \\ 2458 \\ + 3562 \\ \hline 8654 \end{array}$$

4, 5 and 6 try yourself.

7. Rakesh runs 1480 metres in his first race, 2667 metres in his second race and 1629 metres in his third race. How far did he run in all?

Sol

Number of runs Rakesh made in first race= 1480

Number of runs Rakesh made in his second race= 2667

Number of runs Rakesh made in third race= 1629

Total number of runs Rakesh made=

$$\begin{array}{r} 1480 \\ 2667 \\ + 1629 \\ \hline 5776 \end{array}$$

8. Sakshi bought a set of story books for ₹ 1765, a set of craft books for ₹ 1409 and an encyclopedia for ₹ 2784. Find out the total amount of money she spent.

Sol

Cost of a set of story books = ₹1765

Cost of a set of craft books = ₹1409

Cost of encyclopedia = ₹ 2784

Total amount Sakshi spent =

$$\begin{array}{r} 1765 \\ 1409 \\ + \underline{2784} \\ \hline 5958 \end{array}$$

9. A farmer produces 2385 bags of wheat, 1236 bags of millet and 1405 bags of rice. Find the total number of bags of grain.

Sol

Number of wheat bags = 2385

Number of millet bags = 1236

Number of rice bags = 1405

Total number of bags of grain =

$$\begin{array}{r} 2385 \\ 1236 \\ + \underline{1405} \\ \hline 5026 \end{array}$$

10. A shopkeeper sold 4227 cartons of tomato juice, 2424 cartons of carrot juice and 2273 cartons of apple juice. Find out how many cartons of juice did the shopkeeper sell.

Sol

Number of tomato juice cartons= 4227

Number of carrot juice cartons=2424

Number of apple juice cartons= 2273

Total number of juice cartons

$$\begin{array}{r} 4227 \\ 2424 \\ + \quad \underline{2273} \\ \hline 8924 \end{array}$$

11 and 12. Try yourself

Chapter: Subtraction

Subtract the following.

1.

$$\begin{array}{r} \text{H T O} \\ 732 \\ - \quad \underline{21} \\ \hline 711 \end{array}$$

2.

$$\begin{array}{r} \text{H T O} \\ 377 \\ \underline{\quad 34} \\ 343 \end{array}$$

$$\begin{array}{r}
 3. \quad \text{H T O} \\
 299 \\
 - \quad \underline{88} \\
 \underline{211}
 \end{array}$$

4.

$$\begin{array}{r}
 \text{H T O} \\
 188 \\
 - \underline{57} \\
 \underline{131}
 \end{array}$$

5. to 8. Try yourself.

Ex: 4.2

1. Subtract the following.

a)

$$\begin{array}{r}
 \text{H T O} \\
 690 \\
 - \underline{36} \\
 \underline{654}
 \end{array}$$

b)

$$\begin{array}{r}
 \text{H T O} \\
 521 \\
 - \underline{35} \\
 \underline{486}
 \end{array}$$

c)

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 8 \quad 0 \quad 7 \\ - \quad 9 \quad 2 \\ \hline 7 \quad 1 \quad 5 \end{array}$$

d)

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 2 \quad 2 \quad 4 \\ - \quad 1 \quad 5 \\ \hline 2 \quad 0 \quad 9 \end{array}$$

e) to h) Try yourself.

1 Write the following in your notebook and subtract.

a) 89 from 123

Sol

$$\begin{array}{r} 1 \quad 2 \quad 3 \\ - \quad 8 \quad 9 \\ \hline 3 \quad 4 \end{array}$$

b) 247 from 802

Sol

$$\begin{array}{r} 8 \quad 0 \quad 2 \\ - \quad 2 \quad 4 \quad 7 \\ \hline 5 \quad 5 \quad 5 \end{array}$$

c) 176 from 290

Sol

2 9 0

1 7 6

1 1 4

d) 91 from 123

Sol

1 2 3

- 9 1

3 2

e) 456 from 912

Sol

9 1 2

- 4 5 6

4 5 6

f) To h) try yourself.

Ex 4.3

Subtract and check your answer.

a) Subtract

Check

H T O

9 2 3

7 1 8

2 0 5

H T O

7 1 8

2 0 5

9 2 3

b) Subtract

Check

H T O

4 9 2

H T O

1 0 7

$$\begin{array}{r} 107 \quad 385 \\ \hline 385 \quad 492 \end{array}$$

c) and d) Try yourself.

Ex: 4.4

1. Find the missing addend.

a) **H T O**

2 6 3

$$+ \underline{375}$$

We need to subtract 263 from 375.

$$\begin{array}{r} \text{H T O} \\ 375 \\ - 263 \\ \hline 112 \end{array}$$

So, the addend is 112.

b) to d) Try yourself.

2. Find the missing subtrahend.

a)

H T O

9 6 3

-

$$\underline{449}$$

To find the subtrahend, we need to subtract 449 from 963.

$$\begin{array}{r} 963 \\ - 449 \\ \hline 514 \end{array}$$

So the subtrahend is 514.

b) to d) Try yourself.

Ex: 4.5

1. Subtract without regrouping.

a) **TH H T O**

$$\begin{array}{r} 4 \quad 3 \quad 2 \quad 5 \\ - \quad 1 \quad 1 \quad 0 \quad 2 \\ \hline 3 \quad 2 \quad 2 \quad 3 \end{array}$$

b) **TH H T O**

$$\begin{array}{r} 3 \quad 7 \quad 8 \quad 9 \\ - \quad 1 \quad 5 \quad 6 \quad 9 \\ \hline 2 \quad 2 \quad 2 \quad 0 \end{array}$$

c) to L) Try yourself.

2. Subtract with regrouping.

a) **TH H T O**

$$\begin{array}{r} 2 \quad 9 \quad 1 \quad 3 \\ - \quad 1 \quad 8 \quad 9 \quad 7 \\ \hline 1 \quad 0 \quad 1 \quad 6 \end{array}$$

b) **TH H T O**

$$\begin{array}{r} 4 \quad 5 \quad 2 \quad 1 \\ - \quad 2 \quad 6 \quad 9 \quad 8 \\ \hline 1 \quad 8 \quad 2 \quad 3 \end{array}$$

c) to i) Try yourself.

3. Subtract the following in your notebook by arranging in columns.

a) 278 from 5623

Sol

$$\begin{array}{r} 5 \quad 6 \quad 2 \quad 3 \\ - \quad \quad \underline{2 \quad 7 \quad 8} \\ \underline{5 \quad 3 \quad 4 \quad 5} \end{array}$$

b) 1254 from 7841

Sol

$$\begin{array}{r} 7 \quad 8 \quad 4 \quad 1 \\ - \underline{1 \quad 2 \quad 5 \quad 4} \\ 6 \quad 5 \quad 8 \quad 7 \end{array}$$

c) to i) Try yourself.

Ex: 4.6

1. Find the difference.

a) **H T O**

$$\begin{array}{r} 4 \quad 8 \quad 0 \\ - \underline{2 \quad 3 \quad 4} \\ \underline{2 \quad 4 \quad 6} \end{array}$$

b) **H T O**

$$\begin{array}{r} 6 \quad 0 \quad 2 \\ - \underline{1 \quad 3 \quad 6} \\ \underline{4 \quad 6 \quad 6} \end{array}$$

c) to f) Try yourself.

2. Arrange these numbers in columns and subtract.

a) 6889 from 9000

Sol

$$\begin{array}{r} \text{TH} \quad \text{H} \quad \text{T} \quad \text{O} \\ 9 \quad 0 \quad 0 \quad 0 \\ -6 \quad 8 \quad 8 \quad 9 \\ \hline 2 \quad 1 \quad 1 \quad 1 \end{array}$$

b) to c) Try yourself.

Ex: 4.7

Fill in the blanks.

1. $\underline{872} - 872 = 0$

2. $2789 - 0 = \underline{2789}$.

3. $\underline{7893} - 1 = 7892$

4. $8765 - 8765 = \underline{0}$

5. $1920 - \underline{0} = 1920$

6. $5672 - 1 = \underline{5671}$.

Ex: 4.8

Solve the following subtraction stories.

1. Sol:

Total number of stamps soham had= 2764

Number of stamps Soham gave away= 1402

Number of stamps left with Soham=

$$\begin{array}{r} 2 \quad 7 \quad 6 \quad 4 \\ - 1 \quad 4 \quad 6 \quad 4 \\ \hline 1 \quad 3 \quad 0 \quad 0 \end{array}$$

2. Sol:

Total number of steps runner has to run in a marathon= 1275

Number of steps runner completed= 1145

Number of steps left

$$\begin{array}{r} 1275 \\ - 1145 \\ \hline 130 \end{array}$$

3. Sol:

Total number of students in a school= 9948

Number of students absent on the first day= 1029

Number of students present on the first day=

$$\begin{array}{r} 9948 \\ - 1029 \\ \hline 8919 \end{array}$$

4. Sol) Number of water bottles factory made in a month= 7648

Number of bottles damaged = 2975

Number of bottles used=

$$\begin{array}{r} 7648 \\ - 2975 \\ \hline 4673 \end{array}$$

5. Sol:

Number of red and green beads in a box= 2865

Number of red beads= 1567

Number of green beads

$$\begin{array}{r} 2865 \\ - 1567 \\ \hline 1298 \end{array}$$

Q6 to Q10 try yourself

Ex: 4.9

Solve the following problems in your notebook.

1. $3809+4526-1678-2546$

Sol

Step 1. Group the first and second numbers with+ sign together.

$$3809+4526$$

Add these numbers

$$\begin{array}{r} 3809 \\ + \quad \underline{4526} \\ \hline 8335 \end{array}$$

Step2. Group the numbers with – sign

$$- (1678 + 2546)$$

Add these numbers

$$\begin{array}{r} 1678 \\ + \quad \underline{2546} \\ \hline 4224 \end{array}$$

Step 3. Subtract the sum of the second group from the sum of the first group.

$$\begin{array}{r} 8335 \\ - \quad \underline{4224} \\ \hline 4111 \end{array}$$

$$2. 6852 - 5624 + 2140 - 986$$

Sol

Step 1

$$\begin{array}{r} 6852 \\ + \quad \underline{2140} \\ \hline 8992 \end{array}$$

Step 2

$$\begin{array}{r} 9624 \\ + \quad \underline{986} \\ \hline 6610 \end{array}$$

Step 3

$$\begin{array}{r} 8992 \\ - \quad \underline{6610} \\ \hline 2382 \end{array}$$

$$3. 3205 - 2417 + 6325 - 4754$$

Sol

Step 1

$$\begin{array}{r} 3205 \\ + \quad \underline{6325} \\ \hline 9530 \end{array}$$

Step 2

$$\begin{array}{r} 2417 \\ + \quad \underline{4754} \\ \hline 7171 \end{array}$$

Step 3

$$\begin{array}{r} 9 \ 5 \ 3 \ 0 \\ - \ 7 \ 1 \ 7 \ 1 \\ \hline 2 \ 3 \ 5 \ 9 \end{array}$$

4. $549 + 2365 - 4102 + 7892 - 876$

Sol) Step 1

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

Step 2

$$\begin{array}{r} 4 \ 1 \ 0 \ 2 \\ + \ 8 \ 7 \ 6 \\ \hline 4 \ 9 \ 7 \ 8 \end{array}$$

Step 3

$$\begin{array}{r} 1 \ 0 \ 8 \ 0 \ 6 \\ - \ 4 \ 9 \ 7 \ 8 \\ \hline 5 \ 8 \ 2 \ 8 \end{array}$$

1 to 10 Try yourself.

Ex: 4.10

1. Sol: Total capacity of an auditorium=2000

Number of people who arrived half an hour before the show= 498

Number of people who arrived just before the show begins= 865

Total number of people who arrive at the show=

$$498 + 865 =$$

$$\begin{array}{r} 4 \ 9 \ 8 \\ + \ 8 \ 6 \ 5 \\ \hline 1 \ 3 \ 6 \ 3 \end{array}$$

Number of seats unoccupied=

$$\begin{array}{r} 2000 \\ + 1363 \\ \hline 5363 \end{array}$$

2. Sol. Total number of pages in book=1753

Number of pages Ramu read= 341

Number of pages Ramu read next day=116

Number of pages Ramu read third day= 287

Total number of pages Ramu read=

$$341+116+287=$$

$$\begin{array}{r} 341 \\ + 116 \\ + 287 \\ \hline 744 \end{array}$$

Number of pages left=

$$1753-744=$$

$$\begin{array}{r} 1753 \\ - 744 \\ \hline 1009 \end{array}$$

3. Sol: Total number of students who participated in drawing competition= 7725

Number of students from class 2 and 3=

$$2349+2783=$$

$$\begin{array}{r} 2349 \\ + 2783 \\ \hline 5132 \end{array}$$

Number of students in class 4

$$7725 - 5132 =$$

$$\begin{array}{r} 7725 \\ - 5132 \\ \hline 2593 \end{array}$$

2 to 7. Try yourself.

8. Sol: Sum of 2534 and 1890 is

$$\begin{array}{r} 2534 \\ + 1890 \\ \hline 4424 \end{array}$$

Now,

$$\begin{array}{r} 8542 \\ - 4424 \\ \hline 4118 \end{array}$$

9. Sol: Sum of $5672 + 2892 =$

$$\begin{array}{r} 5672 \\ + 2892 \\ \hline 8564 \end{array}$$

Subtract 8564 from 9267

$$\begin{array}{r} 9267 \\ - 8564 \\ \hline 703 \end{array}$$

10. Sol: Sum of 2516 and 4472

$$\begin{array}{r} 2516 \\ + 4472 \\ \hline 6988 \end{array}$$

Sum of 2906 and 5265

$$\begin{array}{r} 2906 \\ + 5265 \\ \hline 8171 \end{array}$$

Now

$$\begin{array}{r} 8171 \\ - 6988 \\ \hline 1183 \end{array}$$

Ex: 4.11

1. Calculate the following differences by estimation to the nearest hundreds and verify by actual subtraction.

a) 714-593

Sol

Rounding off to the nearest hundreds,

$$700-600= 100$$

The actual difference is

$$714-593= 121$$

b) 672-578

$$\text{Sol: } 700- 600=100$$

Actual difference is

$$672-578=94$$

C Try yourself

d) 560-394

$$\text{Sol: } 600-400= 200$$

$$560-394=166$$

e), f) Try yourself.

2. Sol

Ashim travelled= 782km

Ashim's brother travelled= 522km

Rounding off to nearest hundreds.

$$800-500= 300$$

Actual difference

$$782-522= 260$$

Chapter: Multiplication

Ex: 5.1

1. Fill in the blanks with correct answers.

a) $3+3+3+3+3 = \underline{3 \times 5} = \underline{15}$

b) $8+8+8+8 = \underline{4 \times 8} = \underline{32}$

c) $9+9+9+9+9 = \underline{5 \times 9} = \underline{45}$

d) $7+7+7+7+7+7 = \underline{6 \times 7} = \underline{42}$

2. Multiply the following.

a) **T O**

$$\begin{array}{r} 13 \\ * 3 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ * 3 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ * 3 \\ \hline \end{array}$$

b) **T O**

$$\begin{array}{r} 12 \\ * 4 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ * 4 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ * 4 \\ \hline \end{array}$$

c) **T O**

$$\begin{array}{r} 24 \\ * 2 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ * 2 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ * 2 \\ \hline \end{array}$$

d) **T O**

1 4

× 2

2 8

e) **T O**

2 2

× **3**

6 6

f) **T O**

1 7

× 2

3 4

g to l Try yourself

Ex: 5.2

1. Find the product.

a) $2 \times 3 = \underline{6}$

b) $5 \times 6 = \underline{30}$

c) $3 \times 4 = \underline{12}$

d) $7 \times 2 = \underline{14}$

e) $6 \times 8 = \underline{48}$

f) $9 \times 9 = \underline{81}$

2. Find the missing factors.

a) $\underline{5} \times 3 = 15$

b) $5 \times \underline{5} = 25$

c) $\underline{5} \times 4 = 20$

d) $\underline{7} \times \underline{8} = 56$

e) $\underline{2} \times 8 = 16$

f) $9 \times \underline{8} = 72$.

Ex: 5.3

Multiply the following.

1. $7 \times 10 = \underline{70}$

2. $9 \times 20 = \underline{180}$

3. $2 \times 30 = \underline{60}$

4. $21 \times 40 = \underline{840}$

5. $16 \times 60 = \underline{960}$

6. $63 \times 50 = \underline{3150}$

7. $78 \times 30 = \underline{2340}$

8. $98 \times 50 = \underline{4900}$

9. $111 \times 70 = \underline{7770}$

10. To 12. Try yourself.

Ex: 5.4

Multiply the following

1. $6 \times 100 = \underline{600}$

2. $7 \times 200 = \underline{1400}$

3. $6 \times 300 = \underline{1800}$

4. $4 \times 400 = \underline{1600}$

5. $8 \times 500 = \underline{4000}$

6. $14 \times 200 = \underline{2800}$

7. $17 \times 600 = \underline{10200}$

8. To 12 Try yourself.

Ex: 5.5

1. Multiply the following.

a) **H T O**
 1 3 2
 × 3
 3 9 6

b) **H T O**
 2 4 0
 × 2
 4 8 0

$$\begin{array}{r}
 \text{c) } \quad \mathbf{H T O} \\
 201 \\
 \times \quad \underline{2} \\
 \hline
 402
 \end{array}$$

e) To f) Try yourself

2. Write in columns and multiply.

a) 124×4

Sol

$$\begin{array}{r}
 124 \\
 \times \quad 4 \\
 \hline
 496
 \end{array}$$

b) 268×2

Sol

$$\begin{array}{r}
 268 \\
 \times \quad 2 \\
 \hline
 536
 \end{array}$$

c) 114×6

Sol

$$\begin{array}{r}
 114 \\
 \times \quad 6 \\
 \hline
 684
 \end{array}$$

Rest of the parts try yourself

Ex: 5.6

1. Match the following

- a) Commutative or order property
- b) Associative or grouping property
- c) Distributive property
- d) Multiplication by 0
- e) Multiplication by 1.

2. Fill in the blanks.

a) 40

b) 0

c) 100×4

d) 2356

e) 3

f) 78

g) To l) Try yourself

3. Fill in the blanks

a) $15 \times 53 = 15 \times (50 + 3)$

$$= 15 \times 50 + 15 \times 3$$

$$= 750 + 45$$

$$= 795$$

b) To d) Try yourself.

4. Find the products using the distributive property of multiplication.

a) 7×26

Sol

$$7 \times (20 + 6)$$

$$= 7 \times 20 + 7 \times 6$$

$$= 140 + 42$$

$$= 182$$

c) 9×73

Sol

$$9 \times (70 + 3)$$

$$= 9 \times 70 + 9 \times 3$$

$$= 630 + 27$$

$$= 657$$

Rest of the parts try yourself.