

- (a) Write the names of mountain peaks in the order of their heights from highest to lowest.

Name of mountain peak	Height

- (b) Which is the highest mountain in the world? Is the height about 8000 m or 9000 m?

Addition and subtraction of bigger numbers

Children are doing bigger additions and subtractions in class today.

Jyothi teacher wrote this problem on the board-

$$2987 + 3451 = ?$$

John did it like this

$$\begin{array}{r} 1 \quad 1 \\ 2987 \\ + 3451 \\ \hline 6438 \end{array}$$

Karuna did it like this

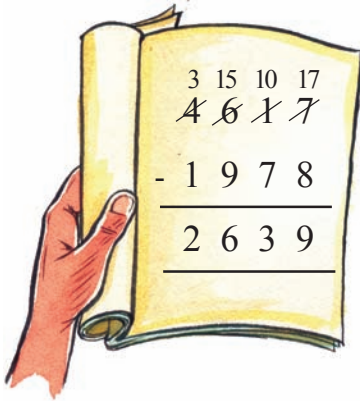
$$\begin{array}{r} 2987 \\ + 3451 \\ \hline 6338 \end{array}$$

- (a) Who has done the problem incorrectly? Discuss the reason for the mistake with your friends.

The teacher then wrote another problem on the board.

$$4617 - 1978 = ?$$

Pooja did it like this-



Vamshi did it like this-



- (b) Who has done the problem incorrectly? Discuss the reason for the mistake with your friends.

Buying things for the house

Sridhar needs the following things for his house. So he goes to the market and finds the cost of each item.

Fan	-	₹ 1175
Bed	-	₹ 2950
Cupboard	-	₹ 4080
Cycle	-	₹ 3690
Gas stove	-	₹ 1200

- (a) How much do the bed and cupboard cost altogether?
- (b) If Sridhar goes to the market with ₹ 10,000, can he buy all the things mentioned above? Estimate without adding the costs of all the items.
- (c) Make more word problems of addition and subtraction based on the above information.

Population of some villages in Rajanna Sircilla district

The population of some villages in Rajanna Sircilla district as per 2001 census are given below.

Village	Male	Female	Total population
Cheerlavancha	2595	2682	
Thadur	3135	3191	
Peddur	1372	1349	
Sarampalle	1027	971	

Source: 2001 census

Answer the following-

- (a) Find out the total population of each village and complete the table given above.
- (b) In which villages is the female population less than the male population? By how much?
- (c) About how many men are there in all the villages? Encircle the nearest of the following.
7000 8000 9000
- (d) About how many women are there in all the villages? Encircle the nearest of the following.
7000 8000 9000
- (e) About how much is the total population of the four villages? Encircle the nearest of the following.
14000 16000 18000

Do This

1. Fill in the blanks with appropriate numbers to get 999
- (a) $235 + 341 + \underline{\hspace{2cm}} = 999$
- (b) $630 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 999$
- (c) $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 999$
- (d) $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 999$

2. Identify the rule and fill the blanks.

(a) $25 + 75 = 100$

$100 - 25 = \underline{\hspace{2cm}}$

(c) $48 + 58 = 106$

$106 - \underline{\hspace{1cm}} = 48$

(e) $150 + 325 = 475$

$475 - 150 = \underline{\hspace{2cm}}$

(g) $567 + 115 = 682$

$682 - 115 = \underline{\hspace{2cm}}$

(i) $6247 + 2984 = 9231$

$\underline{\hspace{2cm}} - 6247 = 2984$

(b) $60 + 40 = 100$

$100 - \underline{\hspace{1cm}} = 60$

(d) $36 + 89 = \underline{\hspace{2cm}}$

$125 - 36 = \underline{\hspace{2cm}}$

(f) $267 + 625 = 892$

$892 - \underline{\hspace{1cm}} = 267$

(h) $1235 + 4111 = 5346$

$5346 - \underline{\hspace{1cm}} = 4111$

(j) $6250 + 2500 = 8750$

$8750 - 2500 = \underline{\hspace{2cm}}$

3. Identify the rule and fill the blanks.

(a) $39 + 42 = 42 + \underline{\hspace{2cm}}$

(b) $121 + 99 = 99 + \underline{\hspace{2cm}}$

(c) $536 + 677 = \underline{\hspace{2cm}} + 536$

(d) $1010 + 69 = \underline{\hspace{2cm}} + 1010$

(e) $\underline{\hspace{2cm}} + 1747 = 1747 + 3829$

(f) $9017 + \underline{\hspace{2cm}} = 1150 + 9017$

Do not find the exact answer. Just estimate!

Choose an answer closest to the correct answer and encircle it.

1. Shambhu went to the market and spent ₹ 128 on food items and ₹ 413 on clothes. About how much money did Shambhu spend in the market?

₹400

₹500

₹600

2. Ganga goes to the market with ₹ 372 and spends ₹ 193. About how much money does she have in her purse now?

₹200

₹100

₹300

3. Krishna has ₹ 321 in his purse. His mother gives him ₹ 618 more. About how much money does Krishna have in his purse now?
 900 1200 800
4. There are 1482 men and 1683 women in Rachapally village according to the 2011 census. About how much is the population of the village?
 3000 4000 5000
5. There are 842 pages in a book. Anthony has read 421 pages. About how many pages does he still has to read?
 500 300 400
6. There are 417 coconut trees in one grove and 386 in the other. About how many trees are there in all in the two groves?
 700 900 800
7. About how much is 904 more than 418?
 500 600 400

Try This

1. Write different digits in the blanks given and add them. Identify which of the given option is nearest to their total.

Hint : What is the largest possible answer in each case?

What is the smallest possible answer in each case?

- (a)
- | | | | |
|---|---|-----|-------|
| 6 | | (i) | 2 0 0 |
| + | 7 | | (ii) |
| | | | (iii) |
| | | | 1 4 0 |
- (b)
- | | | | |
|---|---|-----|-------|
| 2 | | (i) | 5 5 |
| + | 7 | | (ii) |
| | | | (iii) |
| | | | 1 9 8 |

$$\begin{array}{r}
 \text{(c)} \quad 1 \quad \square \quad \square \\
 + \quad \quad 9 \quad \square \\
 \hline
 \hline
 \end{array}$$

- (i) 3 1 2
- (ii) 1 5 0
- (iii) 2 4 1

$$\begin{array}{r}
 \text{(d)} \quad 2 \quad \square \quad \square \\
 + \quad \quad 6 \quad \square \\
 \hline
 \hline
 \end{array}$$

- (i) 1 9 7
- (ii) 3 9 4
- (iii) 3 6 0

$$\begin{array}{r}
 \text{(e)} \quad \quad 9 \quad \square \\
 - \quad 5 \quad \square \\
 \hline
 \hline
 \end{array}$$

- (i) 2 8
- (ii) 4 6
- (iii) 8 7

$$\begin{array}{r}
 \text{(f)} \quad 3 \quad \square \quad \square \\
 - \quad \quad 7 \quad \square \\
 \hline
 \hline
 \end{array}$$

- (i) 8 4
- (ii) 3 5 0
- (iii) 3 2 1

2. Put the appropriate signs.

Example : $584 = 486 \quad \boxed{+} \quad 421 \quad \boxed{-} \quad 323$

(a) $584 = 205 \quad \boxed{} \quad 201 \quad \boxed{} \quad 580$

(b) $584 = 266 \quad \boxed{} \quad 124 \quad \boxed{} \quad 194$

(c) $584 = 1000 \quad \boxed{} \quad 350 \quad \boxed{} \quad 66$

Exercise

1. The table given below provides information about the number of international cricket matches that have been played by various countries till September 2012.

Country	No. of matches played
Australia	744
India	926
England	464
Pakistan	370
South Africa	369
West Indies	486

- (a) Which country played the highest number of matches? How many?
- (b) How many more matches has Australia played than West Indies?
- (c) If India has lost 267 matches and 330 matches have ended as draw, then how many matches has India won?
- (d) Estimate, about how many more matches has India played than West Indies?
- (e) Estimate, about how many more matches has India played than Pakistan?
- (f) Make more word problems of addition and subtraction on the information given in the table.
2. The table given below shows the runs scored by Indian cricketers in test cricket during their life time.

Saurav Ganguly	7212
Azharuddin	6215
Kapil Dev	5248
VVS Laxman	8628
Ravi Shastri	6014

Now answer the following-

- (a) Who has scored the highest runs? How many runs did he score?
- (b) How many more runs has Laxman scored than Ravi Shastri?
- (c) About how many more runs has Saurav Ganguly scored than Azharuddin? Encircle to the nearest of the following.

500 1000 1500

- (d) About how many runs has Laxman scored more than Kapil Dev? Encircle to the nearest of the following.

2000 4000 6000

- (e) Show the runs made by the cricketers on the number line given below-



- 3. Jyothi's school is 560 meters from her house. One day she left home and walked 215 meters. Then she realized that she had forgotten her pencil box and maths book. She went back home, collected the things she had forgotten and went back to school. How many meters did Jyothi walk on that day for going to school altogether?
- 4. The ticket collections of a bus from Monday to Friday are ₹ 2350, ₹ 1335, ₹ 1750, ₹ 2250 and ₹ 1900. What is the total ticket collection in these 5 days?
- 5. Sridhar earns ₹ 9250 per month and his wife earns ₹ 7650 per month. If they spend ₹ 12725 per month, how much do they save?
- 6. I am a three-digit number. The digit in the units place is 1, the digit in the tens place is 4 and the digit in the hundreds place is 6. Who am I?
- 7. I am a three-digit number. The digit in the units place is 7 and hundreds place is 2. The digit in the tens place is 4 times the digit in the hundreds place. Who am I?
- 8. What is the difference between the largest three-digit number and the largest two-digit number?
- 9. What is the difference between the smallest three-digit number and the largest two-digit number?

10. Write all the three digit numbers with the same digit in the units and hundreds place and 0 in the tens place.
11. Write all the three-digit numbers where the digit in the hundreds place is 3 times in the digit the units place and the digit in the tens place is 2 times the digit in the ones place.
12. I am a four-digit number. 6 is in the thousands place, 7 is in the hundreds place, 8 is in the tens place and 9 is in the ones place. Who am I?
13. I am a four-digit number. The digit in thousands place is largest single digit. The digit in the ones places is smallest single digit. 5 is in both, the tens and hundreds place. Who am I?
14. Write all the four digit numbers where the digit in the thousands place is 4 times the digit in the units place, the digit in the hundreds place is 3 times the digit in the ones place and the digit in the tens place is 2 times the digit in the ones place.
15. In the number 5678, what is the difference between the place values of 5 and 7?
16. Subtract the smallest three digit number from the largest four digit number.
17. What should be added to 3600 to make it equal to 7450?
18. What should be subtracted from 2380 to get 1200?