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1. A jump from 2 to 12 is taking ___ steps.

Ans. 10 steps.

2. How will I go from 22 to 41? Jump from 22 to 42. Then one, step left. We can write it like this. 22 + 20 = 42, 42 – 1 = 41. How many steps did I go in all?

Ans. 3 steps.

3. Try these on Kittu's home:

(a) 10 less than 34 is 24.

Ans. 24.

(b) 53 – 20 = ___

Ans. 53 – 20 = 33.

(c) 11 more than 31 is ___.

Ans. 42.

(d) 11 less than 66 is __.

Ans. 55.

(e) 62 + 13 = ___.

Ans. 75.

(f) 23 less than 89 is __.

Ans. 23 less than 89 is 66.

(g) 10 and 40 more than is ___.

Ans. 10 more than 40 is 50.

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(h) 9 added to 28 gives ___.

Ans. 37.

(i) The sum of 9 and 44 is ___.

Ans. The sum of 9 and 44 is 53.

(j) Reducing 98 by 34 gives ___.

Ans. 64.

(k) 4 and 37 more is __.

Ans. 4 and 37 more is 41.

(l) Take 35 away from 83. We get __.

Ans. We get 48.

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4. Add the numbers:

(a) 37 + 9 = _____

Ans. 46.

(b) 65 – 30 = _____

Ans. 35.

(c) _____ = 46 + 21

Ans. 67.

(d) ___ = 87 – 30

Ans. 57

(e) 66 - ___ = 11

Ans. 55.

(f) 36 = __ + 9

Ans. 27.

(g) 45 + ___ = 99

Ans. 54.

(h) 40 + ___ = 76

Ans. 36.

(i) __ + 26 = 75

Ans. 49.

(j) 98 = __ + 50

Ans. 48.

(k) ___ - 21 = 35

Ans. 14.

(l) 57 - ___ = 20

Ans. 37.

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5. Can you do it another way? Show how.

(a) 37 + 21 = 30 + 7 + 20 + 1

Ans. 37 + 21 = 30 + 7 + 20 + 1

= 50 + 7 + 1

= 50 + 8 = 58

(b) 73 + 24 = 70 + 3 + 20 + 4

Ans. 73 + 24 = 70 + 3 + 20 + 4

= 90 + 3 + 4

= 90 + 7 = 97

(c) 56 + 21 = 50 + 6 + 20 + 1

Ans. 56 + 21 = 50 + 6 + 20 +1

= 70 + 6 + 1

= 70 + 7 = 77

6. Now work out the steps in your mind. Write the answers directly in the boxes.

(a) 33 +42 = ___

Ans. 75.

(b) __ = 33+ 27

Ans. 60.

(c) 55 + 25 = ___

Ans. 80.

(d) 19 + 61 = ___

Ans. 80.

(e) ___ = 34 + 63.

Ans. 97.

(f) 67 + 25 = ___

Ans. 92.

(g) __ = 48 + 42

Ans. 90

(h) ___ = 53 +64

Ans. 117.

(i) 72 +56 = ___

Ans. 128.

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7. A Shopkeeper Rafi had 153 candles. Paras gave him 237 more candles. How many candles does Rafi have now?

Ans.

	100	10	1
	2	3	7
+	1	5	3
Sum	3	9	0

8. Work out the following story problems in the same way. Read each problem and say it in your word. Guess the answer before writing it.

(a) A train compartment is carrying 132 people. Another compartment is carrying 129 people. In all, how many people are there in both the compartments.

Ans.

	100	10	1
People in compartment	1	3	2
People in other compartment +	1	2	9
Sum	2	6	1

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(b) Shannu found 138 pebbles. Karim found 44 pebbles. How many pebbles did they find in all?

Ans.

	100	10	1
	1	3	8
+		4	4

	1	8	2

(c) A teacher kept a note of which fruits students like in her school. This is what she found:

Students	Oranges	Mangoes	Total
Girls	136	240	
Boys	128	243	
Total			

(i) How many students in the school like oranges?

Ans.

Students	Oranges	Mangoes	Total
Girls	136	240	**376**
Boys	128	243	**371**
Total	**264**	**483**	**747**

Number of students who like oranges = 136 + 128 = 264.

(ii) How many students in the school like mangoes?

Ans. Number of students in the school like mangoes = 240 + 243 = 483.

(iii) Altogether, how many students are there in the school?

Ans. Total number of students = 376 + 371 = 747.

(iv) Is the number of girls more than 350 or less than 350?

Ans. Number of girls is more than 350. It is 376.

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9. Practice Time:

(a)

3	4	5
+	5	2

Ans.

3	4	5
+	5	2
3	9	7

(b)

4	9	2
+	2	9

Ans.

4	9	2
+	2	9
5	2	1

(c)

2	4	5
+	9	3

Ans.

2	4	5
+	9	3

3	3	8

(d)

6	4	3
+ 3	4	5

Ans.

6	4	3
+ 3	4	5
9	8	8

(e)

7	5	0
+ 2	1	9

Ans.

7	5	0
+ 2	1	9
9	6	9

(f)

	3	1	9
+	8	2	3

Ans.

	3	1	9
+	8	2	3
1	1	4	2

(g)

	8	0	4

+	4	0	6

Ans.

	8	0	4
+	4	0	6
1	2	1	0

(h)

	3	6	3
+	4	5	6

Ans.

	3	6	3
+	4	5	6
	8	1	9

(i)

	3	6	3
+	4	5	6

Ans.

	3	6	3
+	4	5	6
	6	7	5

(j)

	6	8	4
+	2	3	2

Ans.

	6	8	4

+	2	3	2
	9	1	6

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10. Work out for different ways to write the numbers.

(a)

78
+
+
30 +
+

Ans.

Add all the numbers in the first.

78
70 + 8
50+28

30+48
78+0

(b)

83
+
+43
+
+

Ans.

83
80+3
40+43
50+43
83+0

(c)

30+48

99
+
+39
+
+

Ans.

99
90+9
60+39
50+49
99+0

(d)

102
+
+

+
+50

Ans.

102
100+2
90+12
80+22
52+50

(e)

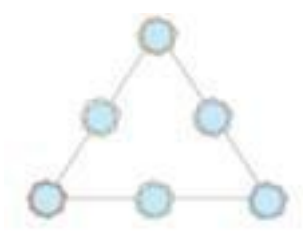| |
|---|
| **168** |
| + |
| + |
| **+68** |
| + |

Ans.

+

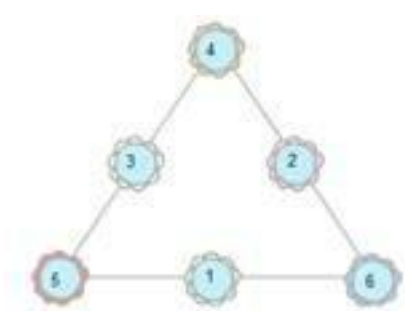| |
|---|
| 168 |
| 160+8 |
| 18+150 |
| 100+68 |
| 120+48 |

Puzzle

11. Can you solve this puzzle? Write the numbers 1,2, 3, 4,5, 6 in the circles, so that the sum of the numbers on each side of the figure is 12.

Ans.

Upper train have

= (19 – 5) + (6 – 15) + (7 – 3) + (6 – 10) + (4 – 20) + (1 – 7) + (5 – 4)

= 14 – 9 + 4 – 4 – 16 – 6 + 1

= 19 – 35 = -16

Lower train have

= (17 – 20) + (3 – 19) + (9 + 12) + (9 – 20)

= -3 – 16 + 21 – 11

= -30 + 21 = -30 + 21 = -9

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Card Game

12. Card game:

(a)

50		70		20

50		20		70

Ans.

50		70		20
50	**+**	**20**	**=**	**70**
20	**+**	**50**	**=**	**70**

50		20		70
70	**-**	**50**	**=**	**20**
70	**-**	**20**	**=**	**50**

(b)

30		42		12

30		42		12

Ans.

30		42		12
30	**+**	**12**	**=**	**42**
12	**+**	**30**	**=**	**42**

30		42		12
42	**-**	**12**	**=**	**30**
42	**-**	**30**	**=**	**12**