

Chapter 2: Fun with Numbers

NCERT · Class 3 · Maths

Questions

Question 1

Radhika, Gauri, Vicky, Indra and Sunil were collecting *Imli* (tamarind) seeds.

1. _____ collected the most seeds.
2. Sunil will collect _____ more seeds to be equal to Vicky.
3. If Radhika gets 6 more seeds, she will have _____.
4. How many children have more than 40 seeds? _____
5. _____ needs 3 more seeds to have 50.
6. Sunil has 2 seeds less than 40, and _____ has 2 seeds more than 40.

Solution

1. **Indra** collected the most seeds.
2. Sunil will collect **4** more seeds to be equal to Vicky.
3. If Radhika gets 6 more seeds, she will have **30**.
4. How many children have more than 40 seeds? **3**
5. **Gauri** needs 3 more seeds to have 50.
6. Sunil has 2 seeds less than 40, and **Vicky** has 2 seeds more than 40.

Question 2

Dhoni scored $96 + \underline{\hspace{1cm}} = 102$ runs.

Solution

Dhoni scored $96 + \mathbf{6} = 102$ runs.

Question 3

How many runs do these players need to complete a century?

Solution

	Runs Scored	Runs Needed to Complete a Century
Player 1	93	$100 - 93 = 7$
Player 2	97	$100 - 97 = 3$
Player 3	89	$100 - 89 = 11$
Player 4	99	$100 - 99 = 1$

Question 4

Write the numbers in words.

Solution

99 – 112		195 – 206	
<i>Number (in figures)</i>	<i>Number (in words)</i>	<i>Number (in figures)</i>	<i>Number (in words)</i>
99	Ninety-nine	195	One hundred ninety-five
100	One hundred	196	One hundred ninety-six
101	One hundred one	197	One hundred ninety-seven
102	One hundred two	198	One hundred ninety-eight
103	One hundred three	199	One hundred ninety-nine
104	One hundred four	200	Two hundred
105	One hundred five	201	Two hundred one
106	One hundred six	202	Two hundred two
107	One hundred seven	203	Two hundred three
108	One hundred eight	204	Two hundred four
109	One hundred nine	205	Two hundred five

110	One hundred ten	206	Two hundred six
111	One hundred eleven		
112	One hundred twelve		

Question 5

Oh! 206! Guess how many more to make a triple century?

Solution

Triple century means 300.

To make 300 runs,

$300 - 206 = 94$ more runs are required.

Question 6

<i>Player</i>	<i>Score</i>	<i>Player</i>	<i>Score</i>
A.P.J.	128	M.D.	178
A.S.	100	P.K.	105
C.K.	99	S.T.	141
D.M.	162	T.P.K.	112
K.S.P.	152	V.V.S.	127

Fill in the blanks:

1. C.K. just missed his century. How many runs did he need to make a century? _____
2. _____ and _____ scored almost equal runs.
3. _____ scored a complete century, no less, no more.
4. Most runs scored by any batsman are _____.
5. _____ and _____ have a difference of just 1 run between them.
6. _____ scored 2 more than one and a half century.

Solution

1. C.K. just missed his century. How many runs did he need to make a century? **1**
2. **A.P.J.** and **V.V.S.** scored almost equal runs.
3. **A.S.** scored a complete century, no less, no more.
4. Most runs scored by any batsman are **M.D.**
5. **A.P.J.** and **V.V.S.** have a difference of just 1 run between them.
6. **K.S.P.** scored 2 more than one and a half century.

Question 7

Counting in 10s

10	110	310	_____
20	_____	_____	720
30	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	780
_____	190	_____	_____
100	200	400	_____

Solution

10	110	310	710
20	120	320	720
30	130	330	730
40	140	340	740
50	150	350	750

60	160	360	760
70	170	370	770
80	180	380	780
90	190	390	790
100	200	400	800

Question 8

Counting in 50s

200	550
250	_____
_____	650
350	_____
_____	750
_____	_____
500	850

Solution

200	550
250	600
300	650
350	700
400	750
450	800
500	850

Question 9

How far can you go like this?

Solution

There's no limit to numbers. We can go on to infinity.

Question 10

What is the biggest number you can call out?

Solution

There's no such biggest number.

COLOUR THE NUMBERS

Question 1

744	810	45	401	54
555	374	171	261	159
656	140	179	891	16
195	155	410	159	685
454	136	60	74	699
800	445	642	202	943

Find these numbers in the above chart, and colour them.

 Green	 Red	 Yellow
One hundred forty	Fifty-four	Four hundred forty-five
Two hundred two	Sixty	Sixteen
Two hundred sixty-one	One hundred ninety-five	One hundred fifty-nine
Eight hundred	Five hundred fifty-five	Six hundred eighty-five
$300 + 70 + 4$	$600 + 40 + 2$	$600 + 90 + 9$
$600 + 50 + 6$	$100 + 70 + 9$	$70 + 4$
$5 + 50 + 100$	$800 + 10$	$1 + 90 + 80$

Solution

744	810	45	401	54
555	374	171	261	159
656	140	179	891	16
195	155	410	159	685
454	136	60	74	699
800	445	642	202	943

JUMPING ANIMALS**Question 1**

Gabru, Bunny and Tarru are jumping all the way.

Gabru jumps on every 7th box, Bunny on every 5th box, and Tarru on every 4th box.

Gabru starts jumping from number 90.

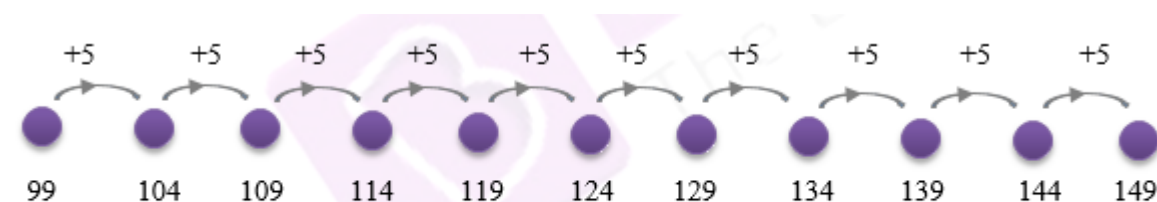
Bunny starts jumping from number 99.

Tarru starts jumping from number 106.

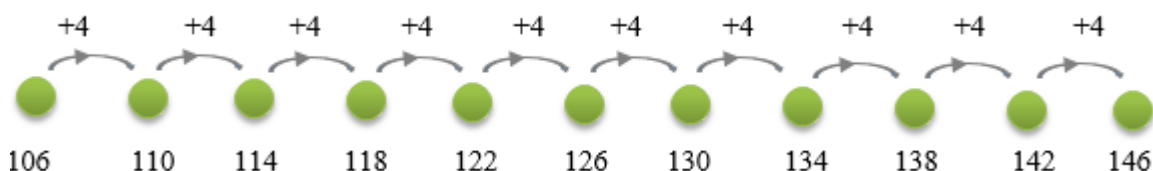
1. Bunny's tenth jump is on number _____.
2. Tarru's tenth jump is on number _____.
3. Gabru's tenth jump will be on number _____.
4. Both Gabru and Bunny jump on numbers 104, _____, and _____.

Solution

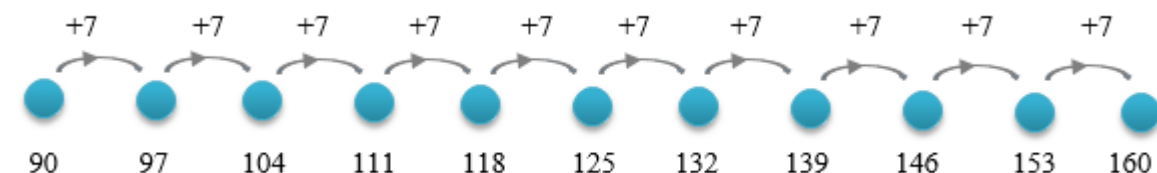
1. 1. Bunny's tenth jump is on: $99 + (10 \times 5) = 99 + 50 = \mathbf{149}$



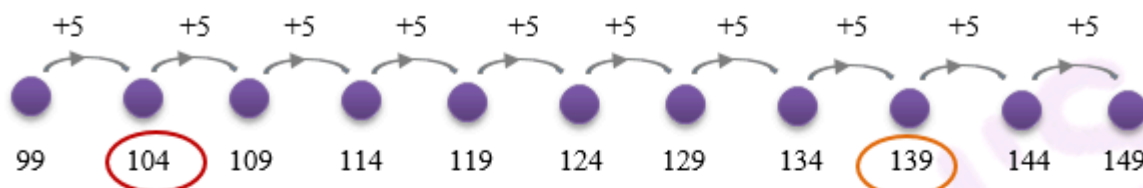
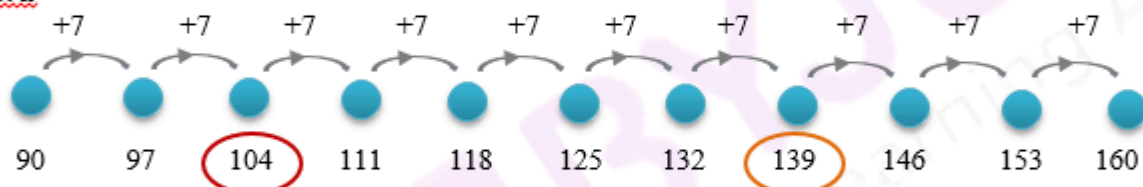
1. Tarru's tenth jump is on: $106 + (10 \times 4) = 106 + 40 = \mathbf{146}$



1. Gabru's tenth jump will be on: $90 + (10 \times 7) = 90 + 70 = \mathbf{160}$



1. Gabru and Bunny both jump on numbers 104, **139** and **174**.

Bunny**Gabru**

Similarly, Bunny and Gabru will also jump on

Bunny: 149, 154, 159, 164, 169, 174

Gabru: 160, 167, 174

[Hint for you: The last box on the snake is 175. So, Bunny, Gabru and Tarru can jump on boxes till box number 175 only.]

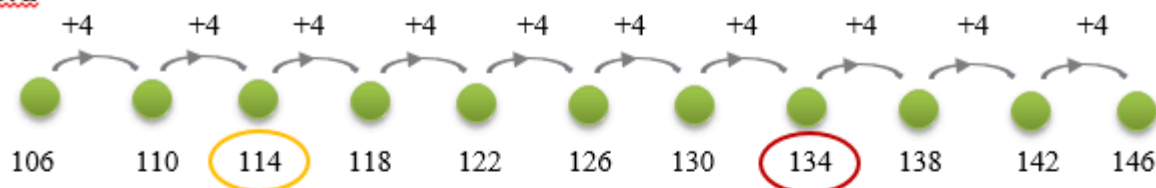
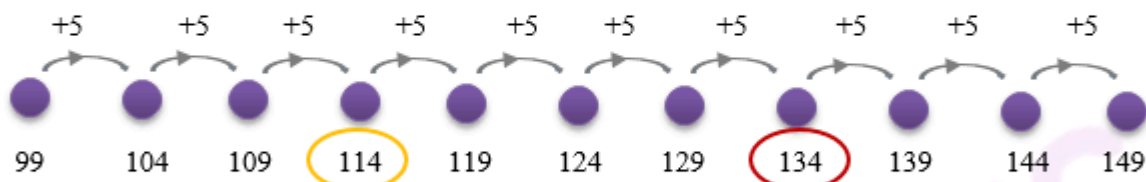
Question 2

Find out:

1. Tarru and Bunny jump on numbers _____, _____, and _____.
2. Is there any number where both of them jump? _____
3. Guess who will finish in the least jumps? _____ In how many jumps? _____

Solution

1. Tarru and Bunny jump on numbers **114**, **134**, and **174**.

Tarru**Bunny**

Similarly, they will also jump on

Tarru: 146, 150, 154, 158, 162, 166, 170, 174

Bunny: 149, 154, 159, 164, 169, 174

1. Yes, both Tarru and Bunny jump on **174**.

Bunny: 99, 104, 109, 114, 119, 124, 129, 134, 139, 144, 149, 154, 159, 164, 169, 174

Tarru: 106, 110, 114, 118, 122, 126, 130, 134, 138, 142, 146, 150, 154, 158, 162, 166, 170, 174

Gabru: 90, 97, 104, 111, 118, 125, 132, 139, 146, 153, 160, 167, 174

1. **Gabru** will finish in the least jumps. In **12** jumps.

CLASS JUMP

Question:

Fill in the blanks

Jump 2 steps forward:

104, 106, 108, **110, 112, 114, 116**.

Jump 2 steps backward:

262, 260, 258, **256, 254, 252, 250**.

Jump 10 steps forward:

110, 120, 130, **140, 150, 160, 170**.

Jump 10 steps backward:

200, 190, 180, **170, 160, 150, 140.**

Continue the pattern:

550, 560, 570, **580, 590, 600, 610.**

910, 920, 930, 940, **950, 960, 970, 980.**

209, 207, 205, **203, 201, 199, 197.**

401, 402, 403, **404, 405, 406, 407.**

LAZY CRAZY SHOP

Question 1

Find out how many packets of tens, hundreds and loose items each animal will take. Fill in the blanks.

Solution

	<i>Packets of 100</i>	<i>Packets of 10</i>	<i>Loose items</i>
 143			
 210	<u>2</u>	<u>1</u>	<u>0</u>
 242	<u>2</u>	<u>4</u>	<u>2</u>
 552	<u>5</u>	<u>5</u>	<u>2</u>

Question 2

Lazy Crazy also has a crazy way of taking money. He takes only Rs. 100 notes, Rs. 10 notes and Rs. 1 coins. Now, find out how they will pay him for what they have taken.

Solution

Amount	Rs. 100 Note	Rs. 10 Note	Rs. 1 Coin
420	4	2	0
143	1	4	3
242	2	4	2
55		5	5

Question 3

Who am I? Match with the number.

Solution

a) I come between 40 and 50 and there is a 5 in my name.

b) I have 9 in my name and am very close to 90.

c) If you hit a 4 after me, you score a century.

d) I am equal to ten notes of 10.

e) I am century + half century

f) I am exactly in between 77 and 97.

96
150
45
89
87
100

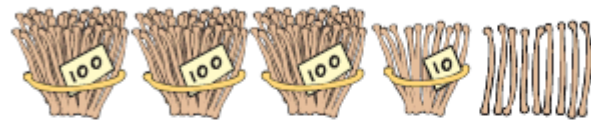
Question 4

How many are these?

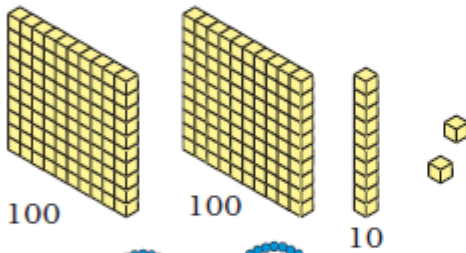
Solution



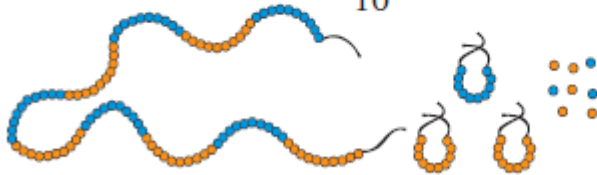
240 rupees



319 sticks



212 blocks



138 beads



320 rupees

MOON MAMA COUNTS HIS STARRY FRIENDS

Question 1

I counted one star and kept one  card in my pocket.

 for one star.   for 2 stars.

     for how many stars? ____

Solution

I counted one star and kept one  card in my pocket.

 for one star.   for 2 stars.

     for how many stars? 5

Question 2

Which cards will I have in my pocket if I have counted up to:

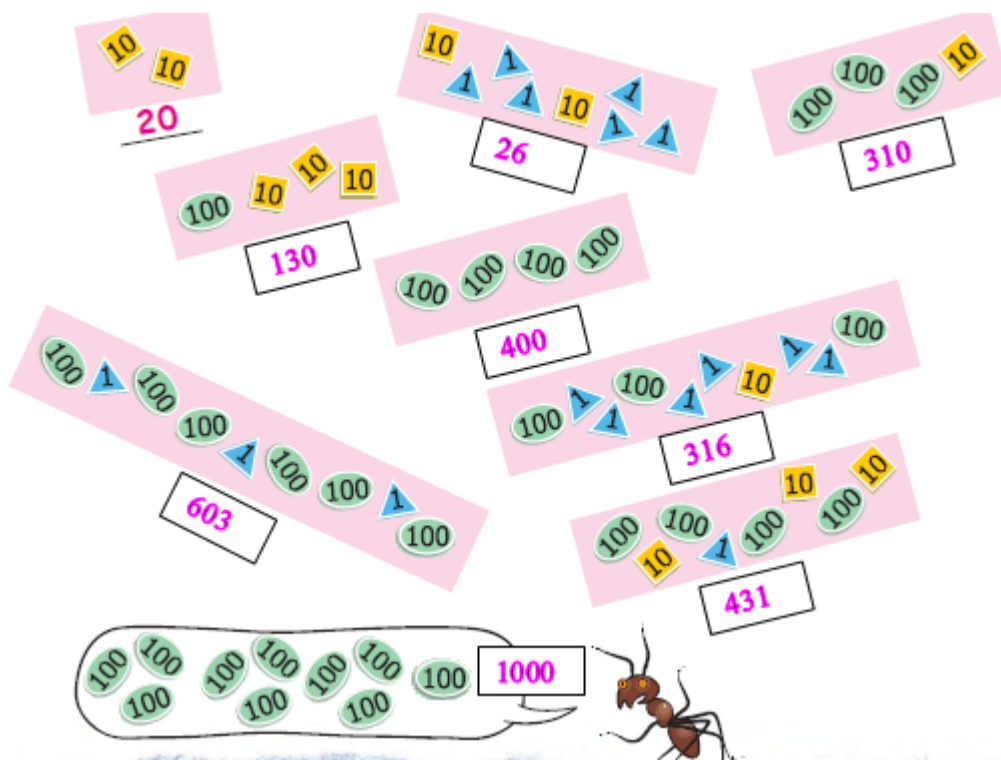
Solution

- a. 19 →       
- b. 21 → [10] [10] [1]
- c. 95 → [10] [10] [10] [10] [10] [10] [10]
[10] [10] [1] [1] [1] [1] [1]
- d. 201 →   
- e. 260 → [100] [100] [10] [10] [10] [10]
[10] [10]
- f. 300 → [100] [100] [100]
- g. 306 → [100] [100] [100]
[1] [1] [1] [1] [1] [1]
- h. 344 → [100] [100] [100] [10] [10] [10]
[10] [1] [1] [1] [1]
- i. 350 → [100] [100] [100] [10]
[10] [10] [10] [10]
- j. 400 → [100] [100] [100] [100]

Question 3

Write the answer in the blank space.

Solution



Question 4

Guess how many starry friends I have in all!!!



Solution

38
