

CBSE Class 4 Subject Mathematics**NCERT Solutions****Chapter-3****A TRIP TO BHOPAL****Page 23**

I _____ 33

II _____ 32

III _____ 42

IV _____ 50

V _____ 53

Total 53**So there are a total of 210 children going.****Q.If they get 4 buses, how many children will get seats?****Ans.**Number of children who will get seats = $4 \times 50 = 200$ **Q.Will there be any children left without seats?****Ans.**Yes, there will be 10 children left without seats.**Q.How many mini buses are needed?****Ans.**Mini buses needed = $210 \div 35 = 6$ **Page 25****The Journey Begins****Q.If they go to Bhimbetka, they will reach there****- Before 10 o'clock**

- Between 10 o'clock and 11 o'clock

- After 11 o'clock.

Ans.They will reach Bhimbetka between 10 o'clock and 11 o'clock.

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Q.Was Victoria right?

Ans.May be Yes.

Q.Ms. Asha-See, our bus is about 5 metres long. Imagine how many buses can stand in a line on this bridge.

Ans.100.

Q.Have you ever crossed a long bridge? About how many metres long was it?

Ans.Yes, I have crossed a long bridge. It is about 500 metres long.

Q.What is the difference between the water level of the Narmada in the rainy season and now?

Ans.The difference in the water levels of the Narmada is $(40 - 15)$ metres = 25 metres.

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Q.Each bus takes about 15 minutes to refill and there are two buses to be refilled. So they stopped there for about $2 \times 15 = 30$ minutes, which means they are late by about 30 minutes.

Q.Look in the picture and find the price of 1 litre of diesel.

Ans.The price of 1 litre of diesel is Rs. 35.

Q.How much time did aman take to come out of the toilet?

Ans.Aman took 156 minutes to come out of the toilet.

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To Bhimbetka

Q.How many more deer are there than bisons?

Ans. $117 - 37 = 80$.

Q.How many people Bonomala must have counted?

Ans.Bonomala have counted either 154 or 184 or 177.

Q.What time is it?

Ans.12 o'clock.

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Lunch Time

Q.How many oranges, biscuits and bananas are distributed?

Ans.Number of oranges distributed = $210 \times 1 = 210$

Number of biscuits distributed = $210 \times 5 = 1050$

Number of bananas distributed = $(210 - 38) = 172$

$$= 172 \times 1 = 172$$

Q.Manjeet – Right OK! You ask now.

Other children also join in. Everyone is asking puzzling questions.

(A)I gave four toffees to each to four of my friends and three toffees are left with me. How many toffees did I have?

Ans.Number of toffees given to 4 friends at the rate of 4 toffees per friend = $4 \times 4 = 16$

Toffees left over = 3

Number of toffees I had originally = $16+3=19$

(B)What numbers can you make using 3,5 and 7? You can make 357 and 537. What others?

Ans.Three digit numbers made by using 3, 5 and 7 without repetition are 357, 375, 537, 573, 735, 753. These are six in all.

(C)A number becomes double if it is increased by 8. What is the number?

Ans.Let the number be x . then, as per question, we have.

$$2x = x+8$$

$$2x-x = 8$$

$$x = 8$$

Thus, the required number is 8

(D)Think of a number which can be divide by 2, 3 and 5 and comes between 25 and 50.

Ans.A number which can be divided by 2, 3 and 5 and comes between 25 and 50 is 30.

Because the required number must be divisible by $2 \times 2 \times 5$, i.e., 30, and 30 is the only number between 25 and 50 which is divisible by 30.

(E)A small ant climbs 3 cm in 1 minute but slips down 2 cm. How much time will it take to climb 2 cm?

Ans. it takes 2 minutes to climb 2 cm.

OR

Net height attained in 1 minute = $(3 - 2)$ cm = 1 cm

Therefore, 2 cm height will be attained in 2 minutes.

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Which Boat do we Take?

Q. Indra and Bhanu first went in the motor-boat, then they took the oarboat. How much did they pay in total for both the boats?

Ans. Total amount paid for the motor-boat and the oar-boat by Indra and Bhanu

= Charges for the motor boat + Charges for the oar – boat

$$= \text{Rs. } (2 \times 50) + \text{Rs. } (2 \times 15) = \text{Rs. } 100 + \text{Rs. } 30 = \text{Rs. } 130$$

Q. How much time did they get for boating?

Ans. Total time for boating in case of Indra and Bhanu

= 20 minutes + 45 minutes = 65 minutes = 1 hour 5 minutes.

Q. One group of children went for the double-decker trip. They paid Rs. 450 in total. How many children went for the double-decker trip?

Ans. Total charges paid = Rs. 450

Charges for one child = Rs. 30

Therefore, number of children who went for the double-decker trip

$$= 450 \div 30 = 15$$

Q. Which boat makes two trips in 1 hour?

Ans. Time taken for one trip = $1 \times 60 \text{ minutes} \div 2$

= 60/2 minutes

= 30 minutes.

Clearly, from the table we find that the paddle-boat makes two trips in 1 hour.

Q. Which boat takes less than half an hour to complete one trip?

Ans. In boat with oars they get the most time in the least amount of money.

Q. Javed went twice for boating. He paid a total of Rs. 40 and boated for 50 minutes.

Which two boats did he take?

Ans. Javed took paddle-boat and motor-boat for boating.

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Time to Return

Children enjoyed the boat rides till 4 o'clock. It is time to return. Now they will not stop anywhere and reach back in two hours. So, they should reach Hoshangabad by 6 o'clock.

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Practice Time

1. There are four very old cave paintings. Mark the oldest.

(a) 4,200 years old

(b) 8,500 years old

(c) 1,000 years old

(d) 1,300 years old

Ans. (b) is the oldest painting.

2. One bus can carry 48 children. How many children can three buses carry?

Ans. Number of children carried by one bus = 48

Number of children carried by 3 buses = $48 \times 3 = 144$.

3. Which pair of number add to make more than 500?

(a) 152 and 241

(b) 99 and 229

(c) 321 and 192

(d) 401 and 91

Ans. (b) since $321 + 192 = 513$

4. What happened at what time? Draw lines to match.

Crossed the Narmada bridge 3:00 p.m.

Looked at Bhimbetka paintings 6:00 p.m.

At the petrol pump 9:10 a.m.

Boating in the lake 12:30 p.m.

Had lunch 11:30 p.m.

Returned to Hosangabad 9:30 a.m.

Ans. Crossed the Narmada bridge 9:10 a.m.

Looked at Bhimbetka paintings 11:30 p.m.

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