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

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**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 =  $210 \div 35 = 6$  .

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**The Journey Begins**

**Q.If they go to Bhimbetka, they will reach there**

**- Before 10 o'clock**

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- 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 bison?

**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 =  $(210 - 38) = 172$

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$$= 172 \times 1 = 172$$

**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  $2 \times 3 \times 5$ , 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?**

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**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

= Rs.  $(2 \times 50)$  + Rs.  $(2 \times 15)$  = Rs. 100 + Rs. 30 = 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?

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**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 could 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.

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**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 numbers 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.

At the petrol pump 9:30 a.m.

Boating in the lake 3:00 p.m.

Had lunch 12:30 p.m.

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Retuned to Hosangabad 6:00 p.m.