

Class: 4

Subject : Mathematics

Prepared by : Israt sultana

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Chapter: Eleven

## Time

Lecture no-04 ((Solution))

Exercise

4. Solution: Year

Month

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">-1</div>   <math>11 = 12</math> </div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">+12</div>   <math>0 = 12</math> </div>
-10	9
<div style="display: flex; justify-content: space-around; width: 100%;"> <span>1</span> <span>3</span> </div>	

[month]

0-9, it is impossible so move at first

1 year=12 months and 12 months is adding with 0 months  $(12+0)=12$  and subtract 9 from 12.  $(12-9)=3$

[year] Here, 12 years but 1 year=12 months,

So, subtract 1 from 12.  $(12-1)=11$ . Now,

Ans: The difference is 1 year and 3 months.

$$11-10=1$$

5. Solution: Masuda Begum gets leave =3 months 3 weeks 12 days

$$= 3 \text{ months} + (3 \times 7 + 12) \text{ days} \quad [1 \text{ week} = 7 \text{ days}]$$

$$= 3 \text{ months } 33 \text{ days} \quad [1 \text{ month} = 30 \text{ days}]$$

$$= 4 \text{ months } 3 \text{ days}$$

Masuda Begum took leave =2 months 4 weeks 3 days

$$= 2 \text{ months} + (4 \times 7 + 3) \text{ days} \quad [1 \text{ week} = 7 \text{ days}]$$

$$= 2 \text{ months } 31 \text{ days} \quad [1 \text{ month} = 30 \text{ days}]$$

	<b>= 3 months 1 day</b>
<b>Months</b>	<b>Days</b>
4	3
- 3	1
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1	2

Now, 1 month 2 days = (30+2)=32 days [ 1 month=30 days]

Ans: 32 days leave she can take more.

Word problem:

1. Solution: Year

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p style="text-align: center;">(-1)</p> <p style="text-align: center;">16 = 17</p> </div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p style="text-align: center;">(+12)</p> <p style="text-align: center;">3 = 15</p> </div>
-15	10
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1	5

[month]

3-10, it is impossible so move at first

1 year=12 months and 12 months is

adding with 3 months (12+3)=15 and

subtract 10 from 15.(15-10)=5

[year] Here, 17 years but 1 year=12 months,

So,subtract 1 from 17.(17-1)= 16.Now,

Ans: The difference is 1 year and 5 months.

$$16-15=1$$