

MONTH: JANUARY

SESSION:9

CLASS:V

SUBJECT: MATHEMATICS

CHAPTER NUMBER: 20

CHAPTER NAME: TIME

SUB-TOPIC: ADDITION AND SUBTRACTION OF TIME

EXERCISE 20 C

CHANGING YOUR TOMORROW

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LEARNING OBJECTIVE:

Enable learners:

•To add and subtract time units.



ADDITION & SUBTRACTION



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- > Arrange hours, minutes, seconds in columns then add as usual.
- ➤If the sum of minutes or sec is more than 60 then re-group.
- ➤In case of subtraction, if we borrow 1 hour it will become 60 minutes and 1 min will become 60 sec.

Add 15 hour 15 min 23 sec and 11 hours 30 min 56 sec

We can write 26 hours as I day 2 hours.

Ans. 1 day 2 hours 46 min 19 sec



ADDITION & SUBTRACTION



Subtract 18 hours 56 min 55 sec from 45 hours 25 min 20 sec

н	MIN	SEC
	84	
44	24	80
44 45	25	<u>80</u> 20
28	56	55
16	28	25

ANS. 16 hr 28 min 25 sec

ROUGH

1 min is borrowed from min column Which is 60 sec.

So
$$20 + 60 = 80$$
 sec

1 hour is borrowed from hour column Which is 60 min.

1. ADD.



a. 6 hrs 20 min and 5 hrs 36 mins

Н	MIN
<u>+ 06</u>	20
⁺ 05	36
- 11	56

b. 15 hrs 35 min and 7 hours 45 min

	H	MIN
	1 15	35
+	07	45
	23	20

35	
+ 45	
80	
- 60	
20	

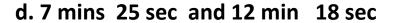
c. 25 hours 44 min and 16 hrs 36 min

н	MIN
1	
. 25	44
⁺ 16	36
42	20

1 day 18 hrs 20 min



EXERCISE 20 – C





	MIN	SEC
	07	25
+_	12	18
	19	43

e. 16 min 29 sec and 20 min 45 sec

	MIN	SEC
_	16 ¹	29
+	20	45
	37	14

	29 + 45	
_	74	_
	- 60	
	14	



EXERCISE 20 – C





	MIN	SEC
	1	
	28	46
+	15	32
	44	18

46 + 32 78 - 60 18

g. 2 hr 40 min, 5 hrs 30 mins, 7 hours 50 mins

	HOUR	MIN
	2	
	02	40
+	05	30
	07	50
	16	00

$$40 + 30 + 50 = 120$$

As 120 min is 2 hrs.





2. ADD

a. 15 years 4 months and 20 years 2 months

YEAR	MONTH
₊ 15	04
20	02
35	06

b. 12 years 6 months and 21 years 8 months

YEA	R 1	MONTH
	.2	06
+ 2	21	08
	34	02

$$6 + 8 = 14$$
 months
 $14 - 12 = 2$ months

c. 10 years 8 months and 6 years 4 months

YEAR	MONTH
1	
₊ 10	08
06	04
17	00





3. SUBTRACT



a. 5 days 12 hours from 7 days 18 hours

DAY	HOUR
7	18
5	12
2	06

b. 7 days 19 hours from 12 days 10 hours

DAY	HOUR
11	34
12	10
7	19
4	15

c. 9 days 5 hours from 12 days

DAY	HOUR
11	24
11	-00
9	05
2	19

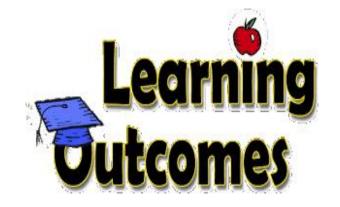
d. 5 weeks 9 days from 8 weeks 3 days

WEEK	DAY
7	10
8	3
5	9
2	I





Complete Exercise 20 C no. 3 in the copy.





Students are able:

•To add and subtract time units.



THANKING YOU ODM EDUCATIONAL GROUP