

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**

---

Website: [www.odmegroup.org](http://www.odmegroup.org)

Email: [info@odmps.org](mailto:info@odmps.org)

Toll Free: **1800 120 2316**

Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

## LEARNING OBJECTIVE :

**Enable learners :**

- To add and subtract time units.**



# ADDITION & SUBTRACTION

- 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

				23
				+ 56
				<hr/>
				79
			79 sec – 60 sec = 19 sec	
<b>H</b>	<b>MIN</b>	<b>SEC</b>		
	1			
15	15	23		
+ 11	30	56		
<hr/>				
<b>26</b>	<b>46</b>	<b>19</b>		

We can write 26 hours as 1 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

H	MIN	SEC
45	25	20
- 18	- 56	- 55
<hr/>		
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.  
So **24 min + 60 min = 84 min**

## EXERCISE 20 – C

### 1. ADD .

a. 6 hrs 20 min and 5 hrs 36 mins

	H		MIN
	06		20
+	05		36
	11		56

b. 15 hrs 35 min and 7 hours 45 min

	H		MIN
	15		35
+	07		45
	23		20

35
+ 45
80
- 60
20

c. 25 hours 44 min and 16 hrs 36 min

	H		MIN
	25		44
+	16		36
	42		20

1 day 18 hrs 20 min

42	44
- 24	+ 36
18	80
	- 60
	20



## EXERCISE 20 – C

d. 7 mins 25 sec and 12 min 18 sec

	MIN		SEC
	07		25
+	12		18
	19		43

e. 16 min 29 sec and 20 min 45 sec

	MIN		SEC
	16 <sup>1</sup>		29
+	20		45
	37		14

29
+ 45
74
- 60
14



## EXERCISE 20 – C

**F. 28 mins 46 sec and 15 min 32 sec**

<b>MIN</b>	<b>SEC</b>
$  \begin{array}{r}  1 \\  28 \\  + 15 \\  \hline  44  \end{array}  $	$  \begin{array}{r}  46 \\  32 \\  \hline  18  \end{array}  $

$$\begin{array}{r}
 46 \\
 + 32 \\
 \hline
 78 \\
 - 60 \\
 \hline
 18
 \end{array}$$

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

<b>HOUR</b>	<b>MIN</b>
$  \begin{array}{r}  2 \\  02 \\  + 05 \\  07 \\  \hline  16  \end{array}  $	$  \begin{array}{r}  40 \\  30 \\  50 \\  \hline  00  \end{array}  $

40 + 30 + 50 = 120  
As 120 min is 2 hrs.



## EXERCISE 20 – C

### 2. ADD

a. 15 years 4 months and 20 years 2 months

YEAR	MONTH
+ 15	04
20	02
<hr/>	
<b>35</b>	<b>06</b>

b. 12 years 6 months and 21 years 8 months

YEAR	MONTH
1	
+ 12	06
21	08
<hr/>	
<b>34</b>	<b>02</b>

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

c. 10 years 8 months and 6 years 4 months

YEAR	MONTH
1	
+ 10	08
06	04
<hr/>	
<b>17</b>	<b>00</b>







## EXERCISE 20 – C

### 3. SUBTRACT

a. 5 days 12 hours from 7 days 18 hours

DAY	HOUR
7	18
5	12
<hr/>	
<b>2</b>	<b>06</b>

b. 7 days 19 hours from 12 days 10 hours

DAY	HOUR
11	34
<del>12</del>	<del>10</del>
7	19
<hr/>	
<b>4</b>	<b>15</b>

c. 9 days 5 hours from 12 days

DAY	HOUR
<del>11</del>	24
<del>12</del>	<del>00</del>
9	05
<hr/>	
<b>2</b>	<b>19</b>

d. 5 weeks 9 days from 8 weeks 3 days

WEEK	DAY
7	10
<del>8</del>	<del>3</del>
5	9
<hr/>	
<b>2</b>	<b>1</b>



**Complete Exercise 20 C no. 3 in the copy.**



## **Students are able:**

- **To add and subtract time units.**

**THANKING YOU**  
**ODM EDUCATIONAL**  
**GROUP**