**MONTH: JANUARY** 

SESSION: 7

**CLASS:V** 

SUBJECT : MATHEMATICS

**CHAPTER NUMBER: 20** 

**CHAPTER NAME: TIME** 

SUB-TOPIC: CONVERSION OF UNITS OF TIME.

**EXERCISE 20 A** 

**CHANGING YOUR TOMORROW** 

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# **LEARNING OBJECTIVE:**

# **Enable learners:**

•To know about the time and conversion of the units.







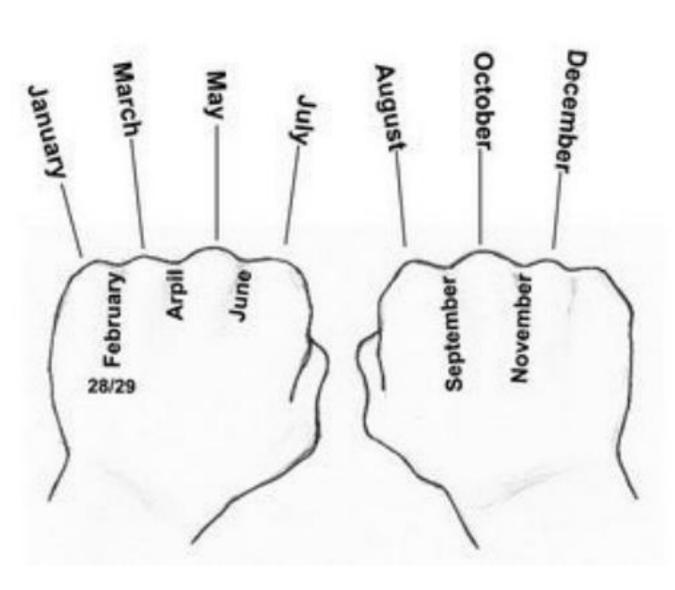
To Measure Time We Use Various Units Such As Seconds, Minutes, Hours, Days, Weeks, Months, Years Etc.

# **DOYOU REMEMBER?**

1 Year =	365 / 366 (if its leap year) days.	
1 month =	30 / 31 ( except February)	days
1 week =	7	days
1 day =	24	hours
1 hour =	60	minutes
1 minute =	60	seconds
1 year =	12	months









# Conversion of units of time.



When we convert greater units to smaller units we MULTIPLY.

#### Conversion of minutes into seconds.

Convert 8 min 14 sec into seconds

$$1 \text{ m} = 60 \text{ sec}$$

$$8 \text{ m } 14 \text{ sec} = 8 \times 60 + 14$$

$$= 480 + 14 = 494 sec$$

#### **Conversion of hours into minutes**

Convert 9 hr 25 min into minutes.

$$1 hr = 60 min$$

$$9 \text{ hr } 25 \text{ min} = 9 \times 60 + 25$$





# Conversion of units of time.



# When we convert smaller units to greater units we **DIVIDE**

# Conversion of seconds into minutes.

Convert 772 sec into minutes

$$60 \sec = 1 \text{ m}$$

$$772 \sec = 772 \div 60$$

= 12 min 52 sec

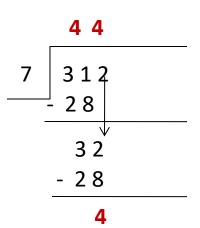
# 1 2 6 0 7 7 2 - 6 0 1 7 2 - 1 2 0 5 2

# **Conversion of days to weeks**

Convert 312 days into week

$$312 \text{ days} = 312 \div 7$$

= 44 weeks 4 days





# **EXERCISE 20 A**



# 1. CONVERT

# a. 15 hrs into minutes

# b. 9 hr 56 min into minutes

$$1 hr = 60 min$$

$$9 \text{ hr } 56 \text{ min} = 9 \times 60 + 56 =$$

## c. 36 min into sec

$$36 \text{ min} = 36 \times 60 = 2160 \text{ sec}$$

# d. 12 min 28 sec into seconds

# e. 5 days into hours

# f. 12 days 9 hrs into hours









### 2. Convert

# a. 5 yrs 9 months into months

$$5 \text{ yrs } 9 \text{ month} = 5 \times 12 + 9 =$$

# b. 9 weeks into days

1 week = 7 days

9 weeks = 
$$9 \times 7 = 63 \text{ days}$$



# c. 12 weeks 15 days into days

1 week = 
$$7 \text{ days}$$

12 week 15 days = 
$$12 \times 7 + 15 =$$

$$84 + 15 = 99 \text{ days}$$

#### d. 7 weeks into hours

$$7 \text{ week} = 7 \times 7 = 49 \text{ days}$$

$$1 \, day = 24 \, hr$$

$$49 \text{ days} = 49 \times 24$$

**1176 hours** 



# **EXERCISE 20 A**



# 3. CONVERT:

# a. 1 day into seconds

$$1 day = 24 hrs$$

$$1 hr = 60 min$$



# b. 5 weeks into sec.

$$1 \text{ week} = 7$$

$$5 \text{ week} = 5 \times 7 = 35 \text{ days}$$

$$1 day = 24 hrs$$

$$35 \text{ days} = 35 \times 24 = 840 \text{ hrs}$$

$$1 hr = 60 min$$

$$1 \min = 60 \sec$$



### **EXERCISE 20 A**



### c. 2 months into seconds

1 month = 30 days

2 months =  $30 \times 2 = 60 \text{ days}$ 

1 day = 24 hrs

60 days = 60 x 24 = **1440 hrs** 

1 hr = 60 min

1440 hrs =1440 x 60 = **86400 min** 

1 min = 60 sec

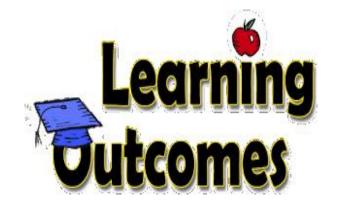
86400 min =86400 x 60 = **5184000** sec







# Complete Exercise 20 A in the copy.





# Students are able:

•To know about the time and conversion of the units.



# THANKING YOU ODM EDUCATIONAL GROUP