

# Lesson Plan

Grade: Four

Subject: Math

Term: 3<sup>rd</sup>

Time: 40mins

Teacher's Name: \_\_\_\_\_

Week: 4

Day: 1

Unit 6: Time

Topic: Conversion of Hours, minutes and seconds

## Student Learning Outcomes:

At the end of this period, the students will be able to:

- Convert hours to minutes and minutes to seconds.

## Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

## Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them about their homework. Ask students: how many minutes are in one hour? How we can convert hours to minutes?
- Take their responses and appreciate them for their correct response.

## Teaching & Learning Activities:

25mins

- Write the statement: "Saima takes 6 minutes to write an essay. In how many seconds she writes her essay?" Now explain it for the students how to solve. Tell them that we know that there are 60seconds in one minute and we want to convert 45 min in seconds only, i.e.  
 $6\text{min} = 6 \times 60\text{sec} = 360\text{sec}$
- For better understanding write another example on the board.
- Write the statement "Let's convert 14min 32sec into seconds." Now explain it how we solve it. Tell the students that we want to convert 14min 32sec to seconds only, i.e.

$$14\text{min } 32\text{sec} = 14\text{min} + 32\text{sec} = 14 \times 60 + 32\text{sec} = 840\text{sec} + 32\text{sec} = 872\text{sec}$$

## Review:

3mins

Sum up the lesson by explaining that there are 60 seconds in one minute.

## Evaluation:

5mins

To assess the students learning, ask them to solve Q2 (i - iii) of Exercise 6.2 in their textbooks.

## Homework:

2mins

Solve Q2 (iv – vi) of Exercise 6.2 in their textbooks.

# Lesson Plan

Grade: Four

Subject: Math

Term: 3<sup>rd</sup>

Time: 40mins

Teacher's Name: \_\_\_\_\_

Week: 4

Day: 2

Unit 6: Time

Topic: Conversion of Years, Months and Weeks

## Student Learning Outcomes:

At the end of this period, the students will be able to:

- Convert years to months, months to days, and weeks to days.

## Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

## Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: how many seconds are in one minute? How can we convert minutes into seconds? Take their responses and appreciate them.

## Teaching & Learning Activities:

25mins

- Write the statement: "Mr. Ahmad went to Saudi Arabia for 3 years. How many months he spends in Saudi Arabia?" Now explain it for the students how to solve. Tell them that we know that there are 12 months in one year and we want to convert 3 years to months only, i.e.  
 $3 \text{ years} = 3 \times 12 \text{ months} = 36 \text{ months}$
- For better understanding write another example on the board.
- Write the statement "Let's convert 6 year and 3 months into months." Now explain it how we solve it. Tell the students that we want to convert 6 year 3 months to months only, i.e.  
 $6 \text{ year } 3 \text{ months} = 6 \times 12 \text{ months} + 3 \text{ months}$   
 $= 72 \text{ months} + 3 \text{ months} = 75 \text{ months}$

## Review:

3mins

Sum up the lesson by explaining that there are 12 months in one year.

## Evaluation:

5mins

To assess the students learning, ask them to solve Q1 (i - vi) of Exercise 6.3 in their notebooks.

## Homework:

2mins

Solve Q1 (vii – xii) of Exercise 6.3 in their notebooks.

# Lesson Plan

Grade: Four

Subject: Math

Term: 3<sup>rd</sup>

Time: 40mins

Teacher's Name: \_\_\_\_\_

Week: 4

Day: 3

Unit 6: Time

Topic: Conversion of Years, Months and Weeks

## Student Learning Outcomes:

At the end of this period, the students will be able to:

- Convert years to months, months to days, and weeks to days.

## Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook, Flash cards of conversion of months into days

## Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: How many months are there in one year? How can we convert years or years and months to months only?
- Take their responses and appreciate them.

## Teaching & Learning Activities:

25mins

- Write the statement: "Bushra went to Karachi for 3 months. How many days he spends there?" Now explain it for the students how to solve. Tell them that we know that there are 30 days in one month and we want to convert 3 months to days only, i.e.  
 $3 \text{ months} = 3 \times 30 \text{ sec} = 90 \text{ days}$
- Placed the flash cards with time (in months or in months and days) written on them. Call students one by one and ask them to pick them to any card. Then ask them to convert the unit of months to days or months and days to days.

## Review:

3mins

Sum up the lesson by explaining that there are 30 days in one month.

## Evaluation:

5mins

To assess the students learning, ask them to solve Q2 (i - vi) of Exercise 6.3 in their textbooks.

## Homework:

2mins

Solve Q2 (v – x) of Exercise 6.3 in their textbooks.

# Lesson Plan

Grade: Four

Subject: Math

Term: 3<sup>rd</sup>

Time: 40mins

Teacher's Name: \_\_\_\_\_

Week: 4

Day: 4

Unit 6: Time

Topic: Addition of Hours and Minutes

## Student Learning Outcomes:

At the end of this period, the students will be able to:

- Add measures of time without carrying and borrowing.

## Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook, Flash cards of units of time

## Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask student: how we convert years to months, months to days and week to days? Write same question on the board and ask them to convert these units.
- Take their responses and appreciate them for their correct response.

## Teaching & Learning Activities:

25mins

- Tell students today we will learn about addition of units of time without carrying and borrowing.
- Write statement "Sana completed her painting in 5 hour 43 minutes and Tania completed her painting in 4 hours 25 minutes. Find the total time in minutes."
- Now ask them, to tell what is given and what we have to find. Take their responses and tell them that the time of both activities are given and we have to find the total time spent. For this, we have to add these. Now write the statements of the solution and explain each and every step to students.

	hours	min
Time taken by Sana =	5	43
Time taken by Tania =	+ 4	25
Total spent time =	9	68

## Review:

3mins

Revise the lesson by telling students that how to add the units of time and calendar by solving example on the board.

## Evaluation:

5mins

To assess the students learning, ask them to solve Q1 (i - v) of Exercise 6.4 in their notebooks.

## Homework:

2mins

Solve Q1 (vi - x) of Exercise 6.4 in their notebooks.

# Lesson Plan

Grade: Four

Subject: Math

Term: 3<sup>rd</sup>

Time: 40mins

Teacher's Name: \_\_\_\_\_

Week: 4

Day: 5

Unit 6: Time

Topic: Subtraction of Years and Months

## Student Learning Outcomes:

At the end of this period, the students will be able to:

- Subtract measures of time without carrying and borrowing.

## Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

## Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them about their homework. Ask students how we can add the units of time and calendar?
- Write units of time on the board and ask them to add these units. Roam around the class and check their work and guide where needed.

## Teaching & Learning Activities:

25mins

- Tell students today we will learn about subtraction of units of time without carrying and borrowing.
- Write units of time for example "10 years and 6 months from 12 years and 10 months" on the board.
- Tell them that we subtract hours in hours and minutes in minutes. Now write vertically on the board and step by step subtract them and explain each step to them. Write different examples of subtraction of units of time and calendar and ask them to subtract these in their notebooks.

years	months
12	10
- 10	6
2	4

## Review:

3mins

Retell students that how to subtract the units of time.

## Evaluation:

5mins

To assess the students learning, ask them to solve Q2 (i - v) of Exercise 6.4 in their notebooks.

## Homework:

2mins

Solve Q2 (vi – viii), Q3, 4 of Exercise 6.4 in their notebooks.

# Lesson Plan

Grade: Four

Subject: Math

Term: 3<sup>rd</sup>

Time: 40mins

Teacher's Name: \_\_\_\_\_

Week: 4

Day: 6

Unit 6: Time

Topic: Summary and Review Exercise

## Student Learning Outcomes:

At the end of this period, the students will be able to:

- Recall the concepts of the whole unit.

## Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook pages 106-108

## Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students that they are going to recall all the concepts of the Unit "Time".
- Ask them the following to let them revise the basic concepts of time:
  - "How many minutes are there in one hour?"
  - "How many seconds are there in one minute?"
  - "How many months in there a year, days in months and days in week?"

## Teaching & Learning Activities:

30mins

- Have students open page 93 of their textbooks. Ask them to solve Q1, Q2 and Q3 of "Review Exercise" in their notebooks. Walk around the class and appreciate them for the correct solutions. Guide them if required.

## Review:

3mins

Sum up the lesson by repeating the summary and vocabulary words of the unit given on textbook page 93.

## Evaluation:

0mins

N/A

## Homework:

2mins

Solve Q4 of their textbooks.