Lesson Plan

| Grade: Five | Subject: Maths | Term: 1st | Time: 40mins |

| Teacher's Name: _____ | Week: 9 | Day: 1 |

| Unit 3: Fractions | Topic: Multiplication of Fractions |

Student Learning Outcomes:
- Multiply two or three fractions involving proper, improper fractions, and mixed numbers.
- Solve real life situations involving multiplication of fractions.

Resource Material:
Chalk/Marker, White/Blackboard, Maths Textbook

Warm-up Activities: 5mins
Before beginning the lesson, ask students to say "Tasmiyah".

Ask students about their previous work. Ask them to tell how we multiply fraction by a fraction. Take their responses and tell them that we have to multiply numerator and denominator by denominator.

Teaching and Learning Activities: 20 mins
- Write the fractions given in example 2 on the board. $7\frac{1}{4}$ of $2\frac{4}{5}$.
- Tell students first, we mixed the fractions into improper fractions and then multiply.

$$7\frac{1}{4} \times 2\frac{4}{5} = \frac{29}{4} \times \frac{14}{5}$$

$$= \frac{29 \times 14}{2 \times 5} = \frac{29 \times 7}{2 \times 5} = \frac{203}{10}$$

$$\frac{200+3}{10} = \frac{200}{10} + \frac{3}{10} + 20 + \frac{3}{10}$$

$$= 20\frac{3}{10}$$

- Now draw figures to show these multiplications of fractions. Explain to them how we can show multiplication with the help of diagrams.
- Repeat this activity to write different fractions on the board and ask them to multiply these fractions in their notebooks.
- Roam around the class, check their work and guide them if required.

Review: 3mins
Recall the lesson by explaining students how we show the multiplication of fraction with the help of diagram.

Evaluation:	10mins

To assess the students ask them to write mixed fractions and multiply them by converting them into improper fractions in their notebooks.

Homework:	2mins

Revise the classwork.

Lesson Plan

Grade: Five	Subject: Maths	Term: 1st	Time: 40mins

Teacher's Name: _____	Week: 9	Day: 2

Unit 3: Fractions	Topic: Division of Fractions

Student Learning Outcomes:
- Divide a fraction by another fraction involving proper, improper fraction, and mixed numbers.
- Solve real life situations involving division of fractions.

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook

Warm-up Activities:	5mins

Before beginning the lesson, ask students to say "Tasmiyah".

Ask students about their previous work. Call a student to the front of the class and ask him/her to write any two fractions on the board and multiply. Ask the rest of the class to check and correct if required.

Teaching and Learning Activities:	20 mins

- Tell them that today we are going to learn about division of fraction by another fraction. Ask them: Do you know how we can divide a fraction by another fraction. Take their responses and appreciate if some gives the right answer.
- Then, tell students in the division of fraction by another fraction, we will multiply the first fraction by reciprocal of other fraction.
- Change $\div$ to $\times$ and take the reciprocal of division.
- We have to divide $\frac{3}{8}$ by $\frac{4}{7}$.

  For this first take the reciprocal then multiply.

$$\frac{3}{8} \div \frac{4}{7} = \frac{3}{8} \times \frac{7}{4} = \frac{3 \times 7}{8 \times 4} = \frac{21}{32}$$

Review:	3mins

Sum up the lesson by explaining the steps for dividing fraction.

Evaluation:	10mins

To assess the students learning, ask them to solve Q3 (i-iv) of exercise 3.2.

Homework:	2mins

Solve Q3 (v-viii) of exercise 3.2 in their notebooks.

Lesson Plan

Grade: Five	Subject: Maths	Term: 1st	Time: 40mins

Teacher's Name: _____	Week: 9	Day: 3

Unit 3: Fractions	Topic: Division of Fractions

Student Learning Outcomes:

- Divide a fraction by another fraction involving proper, improper fraction, and mixed numbers.
- Solve real life situations involving division of fractions.

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook

Warm-up Activities: 5mins

Before beginning the lesson, ask students to say "Tasmiyah".

Ask students about their previous work. Ask students: What is meant by reciprocal of fraction? Take their responses

Teaching and Learning Activities: 20 mins

- Tell them that when we interchange numerator by its denominator then that fraction is called the reciprocal of the given fraction.
- Call a student to the front of the class and ask him/her to write two fractions on the board then ask them to divide one fraction by another fraction.
- Ask the rest of the class to check and correct if required. Appreciate him/her for their good work.
- Repeat this activity with different students by calling them on board.

Review: 3mins

Sum up the lesson by explaining the division of fractions.

Evaluation: 10mins

Ask them to solve Q4 in their notebooks.

Homework: 2mins

Solve Q5 and 6 of exercise 3.2 in their notebooks.

Lesson Plan

Grade: Five	Subject: Maths	Term: 1st	Time: 40mins

Teacher's Name: _____	Week: 9	Day: 4

Unit 3: Fractions	Topic: Division of Fractions

Student Learning Outcomes:
- Divide a fraction by another fraction involving proper, improper fraction, and mixed numbers.
- Solve real life situations involving division of fractions.

Resource Material:
Chalk/Marker, White/Blackboard, Maths Textbook

Warm-up Activities: 5mins
Before beginning the lesson, ask students to say "Tasmiyah".
Ask them about their homework. Ask them to tell how we divide the fractions take their responses and appreciate them for their correct answer.

Teaching and learning Activities: 20 mins
- Make pair of students. Now write example 2 and 3 on the board.
- Give each example consecutive to each pair and ask them to solve.
- Write steps for dividing fractions on the board, for students guidance.
- Find the reciprocal of divisor.
- Convert mixed fraction to improper fraction.
- Now multiply, the divisor with dividend.
- Now call one by one each pair to the front of the class and ask them to show their work to the whole class.
- Check their work and correct if needed. Appreciate them for their good work.

Review: 3mins
Sum up the lesson by re-telling students how to divide a fraction by another fraction.

Evaluation: 10mins
Ask them to make their own word problem of division of fraction in their notebooks.

Homework: 2mins
Revise the classwork.

Lesson Plan

Grade: Five	Subject: Maths	Term: 1st	Time: 40mins

Teacher's Name: _____	Week: 9	Day: 5

Unit 3: Fractions	Topic Name: Summary and Review Exercise

Student Learning Outcomes:
- Recall the concept of the whole unit (Summary and Review Exercise).

Resource Material:

Chalk/Marker, White/Blackboard, Maths textbook

Warm-up Activities: 5mins

Before beginning the lesson, ask students to say "Tasmiyah".

Let them revise the basic concepts:
- How can we add two fractions with different denominators?
- How can we subtract two fractions with different denominators?

Teaching and Learning Activities: 30 mins
- Tell students today they are going to recall the concept of fractions.
- Ask them about like and unlike fractions.
- Ask about mixed numbers also.
- Now instruct students to open page 41 and solve Q1 on their textbooks.

Review: 3mins

Recall the important summary points.

Evaluation: 0min

N/A

Homework: 2mins

Revise the classwork.

Lesson Plan

| Grade: Five | Subject: Maths | Term: 1st | Time: 40mins |

| Teacher's Name: _____ | Week: 9 | Day: 6 |

| Unit 3: Fractions | Topic: Summary and Review Exercise |

Student Learning Outcomes:
- Recall the concepts of the whole unit fraction (Summary and Review Exercise).

Resource Material:
Chalk/Marker, White/Blackboard, Textbook

Warm-up Activities: 5mins
Before beginning the lesson, ask students to say "Tasmiyah".
Ask them the following questions:
- What is multiplication of fraction?
- How can we subtract two fractions with different denominators?

Teaching and Learning Activities: 25mins
- Tell students today they are going to review exercise.
- Ask them about steps of division of fractions.
- Instruct them to solve Q2 in their notebooks.
- Roam around the class, check their work and guide them if needed.

Review: 10mins
Recall the summary points.

Evaluation: 0min
N/A

Homework: 0min
Solve Q3 and 4 in their notebooks.