

Lesson Plan

Grade: Four

Subject: Math

Term: 2nd

Time: 40mins

Teacher's Name: _____

Week: 4

Day: 1

Unit 3: Fractions

Topic: Multiplication of a Fraction

Student Learning Outcomes:

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

- Multiply two fractions (proper, Improper) and mixed numbers.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook page 55, 56 and 58

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students about their previous day homework. Ask them to tell the steps to multiply a fraction by a whole number and proper fraction.
- Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

25mins

- Have students open textbook page 52 and ask them to read the example 1 and 2. Explain the step wise solution on the board.
- In case of mixed fraction, tell students, first convert the mixed fraction into an improper fraction.
- Now call a student to the front of the class and ask him/her to write a proper and improper fraction on the board and then multiply them. Ask the rest of the class, check their work and guide them if required. Repeat this activity in the class. Appreciate them for their good response.

Review:

3mins

Revise the lesson by explaining how we multiply proper, improper and mixed number with each other by solving examples on the board.

Evaluation:

5mins

Ask students to write two improper fractions and then multiply in their notebooks.

Homework:

2mins

Solve example 3 and 4 in their notebooks.

Name: _____

Date: _____

Q1. Multiply the given fractions by whole numbers.

$$\frac{1}{5} \times \frac{1}{3} =$$

$$\frac{3}{8} \times \frac{5}{6} =$$

$$\frac{2}{11} \times \frac{11}{12} =$$

$$\frac{1}{8} \times \frac{2}{5} =$$

Lesson Plan

Grade: Four

Subject: Math

Term: 2nd

Time: 40mins

Teacher's Name: _____

Week: 4

Day: 2

Unit 3: Fractions

Topic: Division of Fractions

Student Learning Outcomes:

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

- Divide a fraction (proper, Improper) and mixed numbers by a whole number.

Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: How can we multiply a proper and improper fraction? How can we multiply proper and mixed number? How can we multiply improper and mixed number?
- Take their responses and tell them the steps to multiply proper, improper and mixed numbers.

Teaching & Learning Activities:

25mins

- Tell students today we will learn about division of fraction by a whole number.
- Explain students to divide a fraction by a whole number, first replace the symbol ' \div ' with 'x' and use the reciprocal of a whole number. Then multiply them.
- Tell students that reciprocal of a whole number is obtained by writing 1 as the numerator and write the given whole number as denominator.
- Have them open textbook page 53 and read the example. Ask them what is given and what we have to find.
- Share with students if a father divide $\frac{1}{3}$ of chocolate equally among 2 children, then how much chocolate will each child get?
- Explain the solution, step wise and ask students to solve this on their notebooks.

Review:

3mins

Retell students how we can divide a fraction by a whole number by solving example on the board.

Evaluation:

5mins

Ask them to solve Q2 (i – iii) of Exercise 3.6

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Four

Subject: Math

Term: 2nd

Time: 40mins

Teacher's Name: _____

Week: 4

Day: 3

Unit 3: Fractions

Topic: Division of Fractions and Whole Numbers

Student Learning Outcomes:

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

- Divide a fraction (proper, Improper) and mixed numbers by a whole number.

Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: how can we divide a fraction by a whole number? What is meant by reciprocal?
- Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

25mins

- Divide students into 3 groups. Give them blank papers and ask them to write a fraction and a whole number on the paper.
- After they are done, exchange the papers with other groups. The groups will solve each step by step and find the result after division. When done, each group will come forward and explain the division of fraction by a whole number.
- The group with the best presentation and accurate solution will be the winner.

Review:

3mins

Recall the lesson by explaining the students by taking reciprocal of the whole number and changing the sign of division by multiplication and then we multiply a fraction by the reciprocal of the whole number.

Evaluation:

5mins

Ask students to solve Q2 (iv – vi) of exercise 3.6

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Four

Subject: Math

Term: 2nd

Time: 40mins

Teacher's Name: _____

Week: 4

Day: 4

Unit 3: Fractions

Topic: Real-life Situations of fractions

Student Learning Outcomes:

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

- Analyze real life situations involving fractions by identifying appropriate number operations.

Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: What are the clue words that are used for addition? What are the clue words that are used for subtraction?
- Take their responses and then ask them to make their own word problem of addition and subtraction of fraction and share it with whole class.

Teaching & Learning Activities:

25mins

- Tell them that today we are going to learn about word problem of multiplication and division of fractions.
- Write an example on the board.
- Instruct them to read the statement of the example "The mass of pack of gram flour is $1\frac{3}{4}$ kg. $\frac{5}{6}$ of the gram flour consumed. Find the mass of the gram flour consumed." Ask students to tell what is given and what we have to find. Take their responses and tell them that mass of a pack of gram flour is $1\frac{3}{4}$ kg is given and out of which $\frac{5}{6}$ of the gram flour used. we have to find the quantity of gram flour that is consumed. For this we have to multiply $1\frac{3}{4}$ and $\frac{5}{6}$. Now solve it step by step on the board and explain each step to them.

Review:

3mins

Sum up the lesson by explaining students how can we identify that the word problem is of multiplication or division by looking at the clue words?

Evaluation:

5mins

To assess the students learning ask them to solve Q2, 3 and 4 of exercise 3.6 in notebooks.

Homework:

2mins

Solve Q6, 7 in notebooks.

Lesson Plan

Grade: Four

Subject: Math

Term: 2nd

Time: 40mins

Teacher's Name: _____

Week: 4

Day: 5

Unit 3: Fractions

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 (Summary and Review Exercise).

Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

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 "Fractions".
- Ask them a few questions to let them revise the basic concepts:
- Ask students: What is like and unlike fractions?
- What is proper, improper and mixed numbers?
- Take their responses and appreciate them for their correct answers.

Teaching & Learning Activities:

30mins

- Have student to open pages 55 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 of the unit given at page 59.

Evaluation:

0mins

N/A

Homework:

2mins

Solve Q4 to Q6 of "Review Exercise" in their notebooks.

Grade: Four

Subject: Math

Term: 2nd

Time: 40mins

Teacher's Name: _____

Week: 4

Day: 6

Unit 3: Fractions

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 (Summary and Review Exercise).

Resource Material:

Chalk / Marker, White /Blackboard, Math Textbook

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 "Fractions."
- Ask them a few questions to let them revise the basic concepts:
- What are clue words that are used for addition, subtraction, multiplication and division of fractions?
- Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

30mins

- Have student to open pages 56 of their textbooks. Ask them to solve Q7, Q8 and Q9 of "Review Exercise" in their notebooks. Walk around the class and appreciate them for the correct answers. Guide them if required.

Review:

3mins

Revise the lesson by repeating the summary and vocabulary words of the unit given at page 59.

Evaluation:

0mins

N/A

Homework:

2mins

Solve Q10 to Q12 of "Review Exercise" in their notebooks.