

Lesson Plan

Grade: Five

Subject: Maths

Term: 1st

Time: 40mins

Teacher's Name: _____

Week: 3

Day: 1

Unit 1: Whole Numbers and Operations

Topic: Multiplication of Numbers up to 5 digits

Student Learning Outcomes:

- Multiply numbers up to 5 digits by a number up to 3 digit numbers.
- Solve real-life situations involving operations of multiplication.

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook, 2 baskets, Number cards, Worksheet

Warm-up Activities:

5mins

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

Ask students: How are you? Encourage them to say, "Alhamdulillah".

Write two 2-digits and two 3-digits numbers on the board. Solve it with the help of students by asking them to raise their hands and tell the steps for solving it. Then ask them "multiplicand, multiplier and product"?

Teaching and Learning Activities:

20 mins

- Tell students today they are going to multiply 5-digit by 3-digit numbers.
- Explain the rules to multiply two numbers, split the number by which we multiply a number in expanded form.
- Then multiply each digit of the number by each value separately. Finally add the results.
- Put two baskets on the table. One basket will have multiple 5 digit number cards and the other basket will have 3 digit number cards.
- Call students one by one and ask them to pick one card from each basket randomly and multiply them step by step on the board. The remaining students will check if he/she is solving it correctly or not. Repeat this activity with all students.

Review:

3mins

Recall the lesson by explaining the terms related to multiplication.

Evaluation:

10mins

Assess students understanding by giving them 3-digit and 5-digit numbers.

Homework:

2mins

Solve the given worksheet at home.

Worksheet

Name: _____

Subject: Maths

Topic Name: Multiplication of
Numbers up to 5 digits

1. Multiply the following.

42,154 by 13



56,128 by 234



2. Hadeed has 130 boxes of spoons. If there are 10,232 spoons in each box, how many spoons are there in the boxes altogether?



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Grade: Five

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Teacher's Name: _____

Week: 3

Day: 2

Unit 1: Whole Numbers and Operations

Topic: Multiplication of Numbers up to 5 digits

Student Learning Outcomes:

- Multiply numbers up to 5 digits by a number up to 3 digits numbers (using box method).

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook

Warm-up Activities:

3mins

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

Ask students: How are you? Encourage them to say, "Alhamdulillah".

Write one 5-digit number and one 3-digit number on the board. Call a student to the front of the class and ask him/her to solve it step by step on the board.

Teaching and learning Activities:

22 mins

- Tell students today we are going to multiply numbers by using box method.
- Tell them box method is also called grid method/
- Write 7272×258 on the board.
- Tell them that there is another interesting method to solve multiplication problems which is called the "box method". Explain to them about the stepwise algorithm to use the box method of multiplication.

Step I: Write the numbers in expanded form.

$$7272 = 7000 + 200 + 70 + 2$$

$$258 = 200 + 50 + 8$$

Step II: Write one number horizontally and the other number vertically in a table or grid as given below.

Step III: Multiply each number in the horizontal boxes with the number in the vertical boxes and write the product in the given boxes.

×	7000	200	70	2
200	1400000	40000	14000	400
50	350000	10000	3500	100
8	56000	1600	560	16

Step IV: Add all the products. This sum will be the product of 7272 and 258.

$$1400000 + 40000 + 14000 + 400 + 350000 + 10000 + 3500 + 100 + 56000 + 1600 + 560 + 16 = 1876176.$$

$$\text{So, } 7272 \times 258 = 1876176$$

Ask them to open their textbooks at page 7 and solve the given example of box method of multiplication of two numbers in their notebooks. Encourage students to ask questions.

Review: 3mins

Recall the lesson by explaining the stepwise multiplication using box method.

Evaluation: 10mins

Read the statement of "Try Yourself" from page 12. Ask them to solve it in their notebooks.

Appreciate them for their correct answers.

Homework: 2mins

Revise the classwork.

Lesson Plan

Grade: Five

Subject: Maths

Term: 1st

Time: 40mins

Teacher's Name: _____

Week: 3

Day: 3

Unit 1: Whole Numbers and Operations

Topic: Division up to 5-digit Numbers

Student Learning Outcomes:

- Divide a number up to 5 digits by 10, 100 and 1000.

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook

Warm-up Activities:

5mins

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

Ask students: How are you? Encourage them to say, "Alhamdulillah".

Write the following question on the board.

$$3468 \div 12$$

Ask them to copy it in their notebooks and solve it. Check their work and correct them if needed.

Teaching and Learning Activities:

25 mins

- Tell student today they are going to practice division by 10, 100, 1000.
- Explain students that when we divide a number by 10, remove one zero from the right side of the given number, when we divide a number by 100, remove two zeros from right side and when we divide a number by 1000, remove three zeros from the right side.
- Explain the example given in their textbooks by solving them on the board step by step.
- Additionally, write a few other numbers and divide them by 10, 100 and 1000.

Review:

3mins

Recall the lesson by explaining the rules to divide whole numbers by 10, 100 and 1000.

Evaluation:

5mins

Ask them to solve "Try Yourself" in their notebooks. Appreciate them for their correct answers.

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Five

Subject: Maths

Term: 1st

Time: 40mins

Teacher's Name: _____

Week: 3

Day: 4

Unit 1: Whole Numbers and Operations

Topic: Division by 10, 100 and 1000

Student Learning Outcomes:

- Divide a number up to 5 digits by 10, 100 and 1000.

Resource Material:

Chalk/Marker, White/Blackboard, Two baskets, Number cards, Maths Textbook

Warm-up Activities:

5mins

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

Ask students: How are you? Encourage them to say, "Alhamdulillah".

Write the following division sums on the board.

$$450 \div 100 = \underline{\quad}, 700 \div 1000 = \underline{\quad}$$

Ask them: What do you notice about the above sums? Can these be solved using the rules of division you learnt the previous day?

Teaching and Learning Activities:

25 mins

- Tell students today they are going to practice division by 10, 100, 1000.
- Put two baskets on the table. One basket will have multiple whole number cards that have zeros in their hundreds, tens and ones place and the other basket will have 3 cards with " $\underline{\quad} \div 10$ ", " $\underline{\quad} \div 100$ ", and " $\underline{\quad} \div 1000$ ".
- Call students one by one and ask them to pick one card from each basket randomly.
- For example, he/she picks the card with the number 24000 from one basket and " $\div 100$ " from the other basket. He/she will have to quickly divide 24000 by 100 by recalling the rules and will write the answer "240" on the board. The remaining students will check if the answer is correct or not. Repeat this activity till all students have their turns.

Review:

3mins

Sum up the lesson by explaining the rules of division of whole numbers by 10, 100 and 1000.

Evaluation:

5mins

Ask students to solve Exercise 1.3 Q2.

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Five

Subject: Maths

Term: 1st

Time: 40mins

Teacher's Name: _____

Week: 3

Day: 5

Unit 1: Whole Numbers and Operations

Topic: Division of Numbers up to 5-digits

Student Learning Outcomes:

- Divide numbers up to 5 digits by a number up to 2 digits.
- Solve real-life situations involving operations of division.

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook pages 9 and 11, Division clue words wallchart

Warm-up Activities:

5mins

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

Ask students: How are you? Encourage them to say, "Alhamdulillah".

Ask them to write a division sum in their notebooks and label its associated division terms.

Teaching and Learning Activities:

20 mins

- Have students open page 14 of their textbooks.
- Read the statement of the given example. Explain the statement of the example. Refer to the clue words by simply writing them on the board.
- Tell them that here the total amount and the number of employees are given and we need to find the amount got by each employee. For this, we need to divide 86734 by 12.
- Tell them that the division steps are the same as we did in the previous grade, just be careful with the digits.
- Solve the example on the board by explaining each step. Take the first digit of the dividend then divide it by the divisor and write the answer on top as the quotient. Subtract the result from the digit and write the difference below. Bring down the next number (if present).
- Repeat the same process until all digits are done and the remainder is less than the divisor or zero.
- Encourage them to ask questions.

Review:

3mins

Sum up the lesson by explaining the terms related to division. Tell them to always divide the numbers going from left to right.

Evaluation:

10mins

Ask students to solve Q4 (i-iii) of Exercise 1.3.

Write any one 5-digit number and one 2-digit number on the board. Ask them to solve it in their notebooks.

Appreciate them for their correct answers.

Homework:

2mins

Solve Q4 (iv-ix) of Exercise 1.3 in notebooks.

Lesson Plan

Grade: Five

Subject: Maths

Term: 1st

Time: 40mins

Teacher's Name: _____

Week: 3

Day: 6

Unit 1: Whole Numbers and Operations

Topic: Division of Numbers up to 5 digits

Student Learning Outcomes:

- Divide numbers up to 5 digits by a number up to 2 digits.
- Solve real-life situations involving operations of division.

Resource Material:

Chalk/Marker, White/Blackboard, Maths Textbook, 2 baskets, Number cards

Warm-up Activities:

5mins

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

Ask students: How are you? Encourage them to say, "Alhamdulillah".

Write a division sentence on the board. Solve it with the help of students by asking them to raise their hands and tell the steps for solving it.

Teaching and Learning Activities:

20 mins

- Put two baskets on the table. One basket will have multiple 5-digit number cards and the other basket will have 2-digit number cards.
- Call students one by one and ask them to pick one card from each basket randomly and divide them step by step on the board. The remaining students will check if he/she is solving it correctly or not.
- Repeat this activity till all students have their turns.

Review:

3mins

Sum up the lesson by explaining how to divide the 5-digit numbers by 2-digit numbers step by step.

Evaluation:

10mins

Ask them to solve Q5 of Exercise 1.3. Roam around the class, check their work and appreciate them

Homework:

2mins

Solve 6 and 7 of Exercise 1.3 in their notebooks.