

Class	Subject	Lesson no/name	Skill focused	TLO	Suggested Activity	LAT																																										
IV	Subject-Mathematics	Lesson -6,11 (Junk seller, Tables and shares	<div><div></div> Knowledge</div> <div><div></div> Understanding</div> <div><div></div> Computation</div> <div><div></div> Problem Solving Ability</div>	<div><div></div> Understands factors of a multiple</div> <div><div></div> Reads and prepares bills</div> <div><div></div> Applies concept in real life</div> <div><div></div> Solves problems related to multiplication</div> <div><div></div> Meaning of the 'Loan' & repayment.</div> <div><div></div> Buying and selling .</div> <div><div></div> Solve problems related to money transaction.</div> <div><div></div> 7) Understands the multiplication</div>	<div>Activity - 1 Multiplication practice Complete the table</div> <table><thead><tr><th>Money earned per day</th><th>Money earned in 10 days</th><th>Money earned in a month (in 30 days)</th></tr></thead><tbody><tr><td>200</td><td></td><td></td></tr><tr><td>258</td><td></td><td></td></tr><tr><td>590</td><td></td><td></td></tr><tr><td>1000</td><td></td><td></td></tr><tr><td>970</td><td></td><td></td></tr></tbody></table> <div>Teacher shows advertisements on loans and asks the children to speak about the loans. Children speak about the loans taken from different sources. Now ask these questions.</div> <div><div>1. Babu took Rupees 300 as loan and repay Rs 305. But Sita also took Rs 300 and has to repay Rs 310. Who is paying more and by how much?</div></div>	Money earned per day	Money earned in 10 days	Money earned in a month (in 30 days)	200			258			590			1000			970			<div>.</div> <div>1. Write the answers applying mental math:</div> <div><div><div><div>10</div><div>25</div><div>50</div><div>5</div><div>2</div></div><div><div>8</div><div>3</div><div>24</div><div>6</div><div>4</div></div></div><div>2. Fun with multiplication: Each letter a, b, c here stands for a number.</div><div><table><thead><tr><th></th><th>a</th><th>a</th><th>a</th></tr></thead><tbody><tr><td>x</td><td>a</td><td>a</td><td>a</td></tr><tr><td></td><td>a</td><td>a</td><td>a</td></tr><tr><td>a</td><td>a</td><td>a</td><td>x</td></tr><tr><td>a</td><td>b</td><td>c</td><td>b</td></tr><tr><td>a</td><td>b</td><td>c</td><td>b</td></tr></tbody></table><div>Mention the Value of b=a c=a</div><div>3. Fill in the blanks: A. $500 \times 2 = 10 \times$ _____ B. The product of 1 and a number is ____.</div></div></div>		a	a	a	x	a	a	a		a	a	a	a	a	a	x	a	b	c	b	a	b	c	b
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				<p>by 10,000 and 1000.</p> <p>☐ Makes a bill.</p> <p>☐ Frame word problem</p>	<p>2. Gopi took a loan of Rs 500 and will pay Rs 105 every month for 5 months. Kavin took Rs 500 and will pay Rs 110 every month for 5 months. Who will repay more money and by how much?</p> <p>(In this question, students can be made to focus on (a) how without calculating they know who will pay more. (b) who is paying more and by how much can be calculated in different ways.)</p> <p>3. Question from the text. Pg.61</p> <p>Activity - 2 Easy ways of multiplication Look at the example and multiply the others:</p> <table><tr><td>19 X 20 = ?</td><td>20 x 20 = 400</td><td>1 X 20 = 20</td><td>400 – 20 = 380</td></tr><tr><td>9 X 20=</td><td></td><td></td><td></td></tr><tr><td>29 X 30 =</td><td></td><td></td><td></td></tr><tr><td>49 X 20 =</td><td></td><td></td><td></td></tr><tr><td>59 X 20 =</td><td></td><td></td><td></td></tr></table>	19 X 20 = ?	20 x 20 = 400	1 X 20 = 20	400 – 20 = 380	9 X 20=				29 X 30 =				49 X 20 =				59 X 20 =				<p>C. The product of 0 and a number is -----.</p> <p>4. Solve the word problem? (a) One set of complete sofa set costs Rs. 23157. How much money did a group of 30 persons pay to the shopkeeper, if all of them purchase sofa set from themselves? (b) A Shopkeeper has a sale of 5080 gifts in a day. How many gift articles will he sell in six months?</p> <p>5. Fill in the blanks: __ X __ = 150 __ X __ =200</p> <p>6. How many mugs can you will put in a bucket to fill completely?</p> <p>7. How much water is used by your mother for washing your clothes and cooking food?</p> <p>8. How much water is used by you for bathing?</p> <p>9. Children are given the Indian currencies to write the denominations and find the total amount given to each group.</p> <table><tr><td>Denomination</td><td>Nu mbe r of note s</td><td>Multip licatio n fact</td><td>Ans r</td></tr><tr><td>_____</td><td>4</td><td>500 X 4</td><td>200</td></tr></table>	Denomination	Nu mbe r of note s	Multip licatio n fact	Ans r	_____	4	500 X 4	200
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				<p>Now add $800 + 240 + 30 + 9 = 1079$ More practice problems to be given Multiply using box method:</p> <p>84 X 13</p> <table><tr><td>$80 \times 10 =$ 800</td><td>$3 \times 10 =$ 30</td></tr><tr><td>$80 \times 3 =$ 240</td><td>$3 \times 3 = 9$</td></tr></table> <p>$84 = 80 + 4$ $13 = 10 + 3$</p> <p>Activity – 4 Calculating the total amount with the price list. Provide a price listeg. Pg.64 or 65 First the teacher can give simple problems which can be solved mentally. Find the cost of</p> <ol style="list-style-type: none">1. 10 kg newspaper2. 5 kg waste paper3. 8 kg plastic4. 5 kg iron	$80 \times 10 =$ 800	$3 \times 10 =$ 30	$80 \times 3 =$ 240	$3 \times 3 = 9$	<p>$20 \times 6 =$ $50 \times 5 =$ $\overline{4 \times 60} =$ $9 \times 90 =$ $\overline{9 \times 50} =$ $90 \times 4 =$ $\overline{6 \times 60} =$ $90 \times 7 =$ $\overline{4 \times 50} =$ $60 \times 8 =$ $\overline{5 \times 30} =$ $40 \times 2 =$ $\overline{5 \times 50} =$ $50 \times 4 =$ $\overline{40 \times 8} =$ $30 \times 3 =$ _____</p>
$80 \times 10 =$ 800	$3 \times 10 =$ 30								
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					<p>5. 2 kg brass</p> <p>Then the children can be given a list of things for which they find the price</p> <p>Find the cost of</p> <ol style="list-style-type: none">8 kg brass, 20 kg newspaper, 3 kg iron7 kg plastic, 18 kg waste paper, 32 kg newspaper <p>Activity - 5</p> <p>Calculate the profit</p> <table><tr><th>Buy s for</th><th>Sells for</th><th>Profit per kg</th><th>Profit for 5 kg</th></tr><tr><td>5</td><td>6</td><td>1</td><td>5</td></tr><tr><td>7</td><td>8</td><td></td><td></td></tr><tr><td>4</td><td>6</td><td></td><td></td></tr><tr><td>5</td><td>9</td><td></td><td></td></tr><tr><td>8</td><td>10</td><td></td><td></td></tr></table> <p>The above questions can be given as verbal problems also</p> <ol style="list-style-type: none">The junk seller buys 1 kg of brass for Rs170 and sells for Rs 175. How much money will she earn for 50 kg of brass? <ul style="list-style-type: none">More verbal questions can be given for practice <p>Note to the teacher: the amounts (buys and sells for) can be increased. Per 10 kg can also be asked.</p>	Buy s for	Sells for	Profit per kg	Profit for 5 kg	5	6	1	5	7	8			4	6			5	9			8	10			
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