

# Grade 3 Work Place 2A Loops & Groups

## CCSS Content Strand: Operations & Algebraic Thinking

# Grade 3 Work Place 2A Loops & Groups

## CCSS Content Strand: Operations & Algebraic Thinking


Unit 2 Module 1 | Session 5 class set, plus more as needed, stored in the Work Place bin

NAME Emma | DATE \_\_\_\_\_

### 2A Loops & Groups Record Sheet

Player 1 \_\_\_\_\_ Player 2 \_\_\_\_\_

For each turn, record your loops and groups. Write a multiplication equation for each turn. Then use the space provided to find the sum of the 5 products.

1st Turn   $5 \times 2 = 10$

2nd Turn \_\_\_\_\_

- I am learning about what it means to multiply.
- I can solve multiplication combinations to  $6 \times 6$ .
- I understand that multiplication is repeated addition.

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1st Turn   $5 \times 2 = 10$

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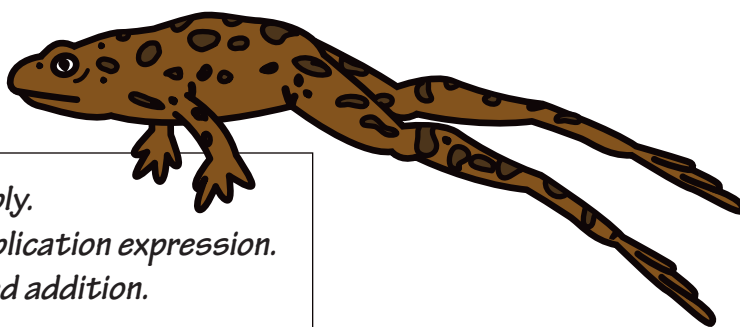
- I am learning about what it means to multiply.
- I can describe a situation to match a multiplication expression.
- I understand that multiplication is repeated addition.

## Grade 3 Work Place 2B Frog Jump Multiplication

CCSS Content Strand: Operations & Algebraic Thinking

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- I am learning about what it means to multiply.
- I can describe a situation to match a multiplication expression.
- I understand that multiplication is repeated addition.

Unit 2 Module 2 | Session 5 • Give each set, stored in the Work Place bin.

NAME \_\_\_\_\_ DATE \_\_\_\_\_

**2C Cover Up Record Sheet**

Player 1 Sam

Player 2 Jamie

First Array  $3 \times 4 = 12$

Second Array \_\_\_\_\_

Third Array \_\_\_\_\_

First Array \_\_\_\_\_

Second Array \_\_\_\_\_

Third Array \_\_\_\_\_

Total \_\_\_\_\_

Total \_\_\_\_\_

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• I am learning about what it means to multiply.  
 • I am starting to learn about the connection between multiplication and rectangular arrays.

# Grade 3 Work Place 2C

## Cover Up

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## Cover Up

CCSS Content Strand: Operations & Algebraic Thinking

• I am learning about what it means to multiply.  
 • I am starting to learn about the connection between multiplication and rectangular arrays.

Unit 2 Module 2 | Session 5 • Give each set, stored in the Work Place bin.

NAME \_\_\_\_\_ DATE \_\_\_\_\_

**2C Cover Up Record Sheet**

Player 1 Sam

Player 2 Jamie

First Array  $3 \times 4 = 12$

Second Array \_\_\_\_\_

Third Array \_\_\_\_\_

First Array \_\_\_\_\_

Second Array \_\_\_\_\_

Third Array \_\_\_\_\_

Total \_\_\_\_\_

Total \_\_\_\_\_

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Unit 2 Module 3 | **3.OA.A.5** *Given two factors, find all possible products.* Use the array model.

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**2D Doubles Help Record Sheet**

NAME \_\_\_\_\_ DATE \_\_\_\_\_

$2 \times 2 = 4$	$2 \times 3 = 6$	$2 \times 4 = 8$	$2 \times 5 = 10$	$2 \times 6 = 12$	$2 \times 7 = 14$	$2 \times 8 = 16$	$2 \times 9 = 18$
$3 \times 3 = 9$	$3 \times 4 = 12$	$3 \times 5 = 15$	$3 \times 6 = 18$	$3 \times 7 = 21$	$3 \times 8 = 24$	$3 \times 9 = 27$	
$4 \times 4 = 16$	$4 \times 5 = 20$	$4 \times 6 = 24$	$4 \times 7 = 28$	$4 \times 8 = 32$	$4 \times 9 = 36$		
$5 \times 5 = 25$	$5 \times 6 = 30$	$5 \times 7 = 35$	$5 \times 8 = 40$	$5 \times 9 = 45$			
$6 \times 6 = 36$	$6 \times 7 = 42$	$6 \times 8 = 48$	$6 \times 9 = 54$				
$7 \times 7 = 49$	$7 \times 8 = 56$	$7 \times 9 = 63$					
$8 \times 8 = 64$	$8 \times 9 = 72$						
$9 \times 9 = 81$							

• I am starting to use the commutative property to help solve multiplication combinations.  
 • I am learning my multiplication facts.

# Grade 3 Work Place 2D Doubles Help

## CCSS Content Strand: Operations & Algebraic Thinking

# Grade 3 Work Place 2D Doubles Help

## CCSS Content Strand: Operations & Algebraic Thinking

• I am starting to use the commutative property to help solve multiplication combinations.  
 • I am learning my multiplication facts.

Unit 2 Module 3 | **3.OA.A.5** *Given two factors, find all possible products.* Use the array model.

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**2D Doubles Help Record Sheet**

NAME \_\_\_\_\_ DATE \_\_\_\_\_

$2 \times 2 = 4$	$2 \times 3 = 6$	$2 \times 4 = 8$	$2 \times 5 = 10$	$2 \times 6 = 12$	$2 \times 7 = 14$	$2 \times 8 = 16$	$2 \times 9 = 18$
$3 \times 3 = 9$ <small>(<math>2 \times 3 + 3 = 9</math>)</small>	$3 \times 4 = 12$	$3 \times 5 = 15$ <small>(<math>10 + 5 = 15</math>)</small>	$3 \times 6 = 18$ <small>(<math>10 + 8 = 18</math>)</small>	$3 \times 7 = 21$ <small>(<math>12 + 9 = 21</math>)</small>	$3 \times 8 = 24$ <small>(<math>16 + 8 = 24</math>)</small>	$3 \times 9 = 27$ <small>(<math>18 + 9 = 27</math>)</small>	
$4 \times 4 = 16$ <small>(<math>16 + 0 = 16</math>)</small>	$4 \times 5 = 20$ <small>(<math>16 + 4 = 20</math>)</small>	$4 \times 6 = 24$ <small>(<math>16 + 8 = 24</math>)</small>	$4 \times 7 = 28$ <small>(<math>16 + 12 = 28</math>)</small>	$4 \times 8 = 32$ <small>(<math>16 + 16 = 32</math>)</small>	$4 \times 9 = 36$ <small>(<math>16 + 20 = 36</math>)</small>		
$5 \times 5 = 25$ <small>(<math>25 + 0 = 25</math>)</small>	$5 \times 6 = 30$ <small>(<math>25 + 5 = 30</math>)</small>	$5 \times 7 = 35$ <small>(<math>25 + 10 = 35</math>)</small>	$5 \times 8 = 40$ <small>(<math>25 + 15 = 40</math>)</small>	$5 \times 9 = 45$ <small>(<math>25 + 20 = 45</math>)</small>			
$6 \times 6 = 36$ <small>(<math>36 + 0 = 36</math>)</small>	$6 \times 7 = 42$ <small>(<math>36 + 6 = 42</math>)</small>	$6 \times 8 = 48$ <small>(<math>36 + 12 = 48</math>)</small>	$6 \times 9 = 54$ <small>(<math>36 + 18 = 54</math>)</small>				
$7 \times 7 = 49$ <small>(<math>49 + 0 = 49</math>)</small>	$7 \times 8 = 56$ <small>(<math>49 + 7 = 56</math>)</small>	$7 \times 9 = 63$ <small>(<math>49 + 14 = 63</math>)</small>					
$8 \times 8 = 64$ <small>(<math>64 + 0 = 64</math>)</small>	$8 \times 9 = 72$ <small>(<math>64 + 8 = 72</math>)</small>						
$9 \times 9 = 81$ <small>(<math>81 + 0 = 81</math>)</small>							