

## Multiplication (Recapitulate)

### Grade 2

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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#### Section A: Mental Math Speed Round ⚡

*Solve these as quickly as you can!*

1.  $3 \times 4 =$  \_\_\_\_\_

2.  $5 \times 2 =$  \_\_\_\_\_

3.  $4 \times 5 =$  \_\_\_\_\_

4.  $2 \times 3 =$  \_\_\_\_\_

5.  $5 \times 5 =$  \_\_\_\_\_

6.  $3 \times 3 =$  \_\_\_\_\_

7.  $4 \times 2 =$  \_\_\_\_\_

8.  $5 \times 4 =$  \_\_\_\_\_

9.  $2 \times 5 =$  \_\_\_\_\_

10.  $4 \times 4 =$  \_\_\_\_\_

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#### Section B: Vertical Multiplication

*Solve these vertical problems carefully!*

1. 3            2. 5            3. 4

$\times 5$

$\times 3$

$\times 4$

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

4.  $2$   
 $\times 4$   
\_\_\_\_  
\_\_\_\_

5.  $5$   
 $\times 5$   
\_\_\_\_  
\_\_\_\_

6.  $3$   
 $\times 2$   
\_\_\_\_  
\_\_\_\_

7.  $4$   
 $\times 3$   
\_\_\_\_  
\_\_\_\_

8.  $5$   
 $\times 4$   
\_\_\_\_  
\_\_\_\_

9.  $3$   
 $\times 4$   
\_\_\_\_  
\_\_\_\_

10.  $2$   
 $\times 5$   
\_\_\_\_  
\_\_\_\_

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**Section C: Horizontal Multiplication** →

*Write the answer on the line.*

1.  $4 \times 5 =$  \_\_\_\_\_

2.  $3 \times 5 =$  \_\_\_\_\_

3.  $5 \times 2 =$  \_\_\_\_\_

4.  $2 \times 2 =$  \_\_\_\_\_

5.  $4 \times 3 =$  \_\_\_\_\_

6.  $5 \times 5 =$  \_\_\_\_\_

7.  $3 \times 2 =$  \_\_\_\_\_

8.  $4 \times 4 = \underline{\quad}$

9.  $2 \times 4 = \underline{\quad}$

10.  $5 \times 3 = \underline{\quad}$

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### Section D: Fill in the Missing Numbers

Find the missing number to make the equation correct.

1.  $3 \times \underline{\quad} = 12$

2.  $\underline{\quad} \times 5 = 20$

3.  $4 \times \underline{\quad} = 12$

4.  $\underline{\quad} \times 2 = 10$

5.  $5 \times \underline{\quad} = 15$

6.  $2 \times \underline{\quad} = 8$

7.  $\underline{\quad} \times 4 = 20$

8.  $3 \times \underline{\quad} = 15$

9.  $\underline{\quad} \times 3 = 12$

10.  $4 \times \underline{\quad} = 20$

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### Section E: Skip Counting Sequences

Complete the skip counting patterns.

1. Count by 2s: 2, 4, 6,       ,       , 12, 14

2. Count by 3s: 3, 6,       , 12,       , 18, 21

3. Count by 4s: 4, 8,       , 16,       , 24

4. Count by 5s: 5,       , 15,       , 25, 30

5. Count by 2s: 0, 2,       , 6, 8,       

6. Count by 3s: 0, 3, 6,       ,       , 15

7. Count by 4s: 0, \_\_\_\_\_, 8, 12, \_\_\_\_\_, 20
  8. Count by 5s: 0, 5, 10, \_\_\_\_\_, 20, \_\_\_\_\_
  9. Count by 2s backward: 20, 18, \_\_\_\_\_, 14, \_\_\_\_\_, 10
  10. Count by 3s backward: 15, 12, \_\_\_\_\_, 6, \_\_\_\_\_, 0
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## Section F: Pattern Recognition

Study the pattern and fill in the missing numbers.

1. 2, 4, 6, 8, \_\_\_\_\_, \_\_\_\_\_ (Pattern:  $\times 2$ )
  2. 3, 6, 9, \_\_\_\_\_, \_\_\_\_\_, 18 (Pattern:  $\times 3$ )
  3. 5, 10, 15, \_\_\_\_\_, \_\_\_\_\_ (Pattern:  $\times 5$ )
  4. 4, 8, 12, 16, \_\_\_\_\_, \_\_\_\_\_ (Pattern:  $\times 4$ )
  5.  $1 \times 5 = 5$ ,  $2 \times 5 = 10$ ,  $3 \times 5 =$  \_\_\_\_\_,  $4 \times 5 =$  \_\_\_\_\_
  6.  $1 \times 4 = 4$ ,  $2 \times 4 =$  \_\_\_\_\_,  $3 \times 4 = 12$ ,  $4 \times 4 =$  \_\_\_\_\_
  7.  $5 \times 1 = 5$ ,  $5 \times 2 =$  \_\_\_\_\_,  $5 \times 3 = 15$ ,  $5 \times 4 =$  \_\_\_\_\_
  8.  $3 \times 2 = 6$ ,  $3 \times 3 = 9$ ,  $3 \times 4 =$  \_\_\_\_\_,  $3 \times 5 =$  \_\_\_\_\_
  9. 2, 6, 12, 20, \_\_\_\_\_ (Pattern:  $1 \times 2$ ,  $2 \times 3$ ,  $3 \times 4$ ,  $4 \times 5$ ,  $5 \times 6$ )
  10. 4, 6, 9, \_\_\_\_\_, 20 (Pattern:  $2 \times 2$ ,  $2 \times 3$ ,  $3 \times 3$ ,  $4 \times 4$ ,  $4 \times 5$ )
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## Section G: Word Problems

1. Sarah has 3 baskets. Each basket has 5 apples. How many apples does Sarah have in total?

Answer: \_\_\_\_\_

2. There are 4 boxes of crayons. Each box has 4 crayons. How many crayons are there altogether?

Answer: \_\_\_\_\_

3. A spider has 8 legs. If there are 2 spiders, how many legs are there in total? (Hint: Think  $4 + 4$ )

Answer: \_\_\_\_\_

4. Tom practices piano for 3 hours each day. How many hours does he practice in 5 days?

Answer: \_\_\_\_\_

5. There are 5 flowers in each vase. If there are 4 vases, how many flowers are there?

Answer: \_\_\_\_\_

6. A bicycle has 2 wheels. How many wheels do 5 bicycles have?

Answer: \_\_\_\_\_

7. Emma reads 4 pages of her book every night. How many pages will she read in 3 nights?

Answer: \_\_\_\_\_

8. There are 2 shoes in each pair. If you have 4 pairs, how many shoes do you have?

Answer: \_\_\_\_\_

9. A triangle has 3 sides. How many sides do 4 triangles have altogether?

Answer: \_\_\_\_\_

10. Jake saves 5 dollars every week. How much money will he save in 5 weeks?

Answer: \_\_\_\_\_

11. There are 3 rows of chairs with 4 chairs in each row. How many chairs are there in total?

Answer: \_\_\_\_\_

12. A pack of stickers has 5 stickers. How many stickers are in 3 packs?

Answer: \_\_\_\_\_

13. Each cupcake costs 3 dollars. How much do 5 cupcakes cost?

Answer: \_\_\_\_\_

14. There are 4 children and each child has 2 balloons. How many balloons are there?

Answer: \_\_\_\_\_

15. A caterpillar has 5 segments. How many segments do 4 caterpillars have?

Answer: \_\_\_\_\_

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### Section H: Comparison and True/False ✓/✗

Write True or False for each statement.

1.  $3 \times 4 = 4 \times 3$  \_\_\_\_\_
  2.  $5 \times 2$  is greater than  $2 \times 4$  \_\_\_\_\_
  3.  $4 \times 5 = 5 \times 4$  \_\_\_\_\_
  4.  $3 \times 3$  is equal to  $2 \times 5$  \_\_\_\_\_
  5.  $2 \times 5 = 5 + 5$  \_\_\_\_\_
  6.  $4 \times 4 = 4 + 4 + 4 + 4$  \_\_\_\_\_
  7.  $5 \times 3$  is less than  $4 \times 4$  \_\_\_\_\_
  8.  $3 \times 5 = 15$  is the same as  $5 \times 3 = 15$  \_\_\_\_\_
  9.  $2 \times 2 = 2 + 2 + 2$  \_\_\_\_\_
  10.  $4 \times 3 = 3 + 3 + 3 + 3$  \_\_\_\_\_
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### Section I: Array Drawing 🎨

Draw arrays to show the multiplication. Then write the answer.

1. Draw an array for  $3 \times 4 =$  \_\_\_\_\_

(Draw 3 rows with 4 circles in each row)

2. Draw an array for  $2 \times 5 =$  \_\_\_\_\_

(Draw 2 rows with 5 stars in each row)

3. Draw an array for  $4 \times 3 =$  \_\_\_\_\_

(Draw 4 rows with 3 squares in each row)

4. Draw an array for  $5 \times 2 =$  \_\_\_\_\_

(Draw 5 rows with 2 dots in each row)

5. Draw an array for  $4 \times 4 =$  \_\_\_\_\_

(Draw 4 rows with 4 triangles in each row)

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## Section J: Challenge Problems 🏆

*These are tricky! Think carefully.*

1. If  $3 \times 4 = 12$ , then what is  $4 \times 3$ ? \_\_\_\_\_
  2. What number multiplied by 5 gives you 25? \_\_\_\_\_
  3. I am thinking of a number. When I multiply it by 4, I get 20. What is my number? \_\_\_\_\_
  4. Fill in:  $2 \times \underline{\hspace{1cm}} \times 2 = 20$  (Hint: Think about which number works!)
  5. Sam has some bags with 3 cookies in each bag. He has 15 cookies total. How many bags does he have? \_\_\_\_\_
  6. Complete: If  $5 \times 3 = 15$ , then  $15 \div 3 = \underline{\hspace{1cm}}$  (division is the opposite of multiplication!)
  7. What is the missing number?  $3 \times \underline{\hspace{1cm}} = 2 \times 6$
  8. Circle the larger answer:  $(3 \times 5)$  or  $(4 \times 4)$  ?
  9. True or False:  $2 \times 2 \times 2 = 2 \times 3$  \_\_\_\_\_
  10. If you double 3 and then multiply by 2, what number do you get? \_\_\_\_\_ (Hint: Double 3 = 6, then  $6 \times 2 = ?$ )
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 **Answer Key**

**Section A: Mental Math**

1. 12
2. 10
3. 20
4. 6
5. 25
6. 9
7. 8
8. 20
9. 10
- 10.16

**Section B: Vertical Multiplication**

1. 15
2. 15
3. 16
4. 8
5. 25
6. 6
7. 12
8. 20
9. 12
- 10.10

**Section C: Horizontal Multiplication**

1. 20

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2. 15

3. 10

4. 4

5. 12

6. 25

7. 6

8. 16

9. 8

10. 15

#### Section D: Fill in the Missing Numbers

1. 4

2. 4

3. 3

4. 5

5. 3

6. 4

7. 5

8. 5

9. 4

10. 5

#### Section E: Skip Counting Sequences

1. 8, 10

2. 9, 15

3. 12, 20

4. 10, 20

5. 4, 10

6. 9, 12
7. 4, 16
8. 15, 25
9. 16, 12
10. 9, 3

### Section F: Pattern Recognition

1. 10, 12
2. 12, 15
3. 20, 25
4. 20, 24
5. 15, 20
6. 8, 16
7. 10, 20
8. 12, 15
9. 30 (5×6)
10. 16 (4×4)

### Section G: Word Problems

1. 15 apples
2. 16 crayons
3. 16 legs (or 8 legs, if they understand  $2 \times 4 = 8$ )
4. 15 hours
5. 20 flowers
6. 10 wheels
7. 12 pages
8. 8 shoes
9. 12 sides

10.25 dollars

11.12 chairs

12.15 stickers

13.15 dollars

14.8 balloons

15.20 segments

### Section H: Comparison and True/False

1. True
2. True ( $10 > 8$ )
3. True
4. False ( $9 \neq 10$ )
5. True
6. True
7. True ( $15 < 16$ )
8. True
9. False ( $4 \neq 6$ )
10. True

### Section I: Array Drawing

1. 12 (3 rows  $\times$  4 items)
2. 10 (2 rows  $\times$  5 items)
3. 12 (4 rows  $\times$  3 items)
4. 10 (5 rows  $\times$  2 items)
5. 16 (4 rows  $\times$  4 items)

### Section J: Challenge Problems

1. 12
2. 5

3. 5

4.  $5 (2 \times 5 \times 2 = 20)$

5. 5 bags

6. 5

7.  $4 (3 \times 4 = 12 \text{ and } 2 \times 6 = 12)$

8.  $(3 \times 5) = 15$ , which is less than  $(4 \times 4) = 16$ , so circle  **$(4 \times 4)$**

9. False ( $8 \neq 6$ )

10.12

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**Comments:**

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