

Introduction to Multiplication

Grade 1

Name: _____ Date: _____

Section A: Count the Groups and Write the Multiplication

Look at the pictures. Count the groups and items in each group. Write the multiplication sentence.



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



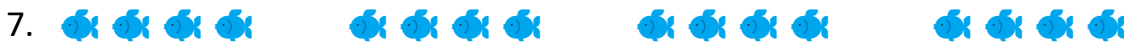
___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___

Section B: Circle the Groups

Draw circles around the groups. Then write the multiplication sentence.

Example:  |  = 2 groups of 3 = $2 \times 3 = 6$



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___

10. 





___ groups of ___ = ___ × ___ = ___

Section C: Draw the Groups

Draw the correct number of groups with items in each. Then count the total.

Example: $3 \times 2 =$ Draw 3 groups with 2 items each

1. $2 \times 4 =$ Draw 2 groups of 4 stars each

Total = ___

2. $3 \times 5 =$ Draw 3 groups of 5 circles each

Total = ___

3. $4 \times 3 =$ Draw 4 groups of 3 hearts each

Total = ___

4. $5 \times 2 =$ Draw 5 groups of 2 dots each

Total = ___

5. $3 \times 6 =$ Draw 3 groups of 6 squares each

Total = ___

6. $4 \times 4 =$ Draw 4 groups of 4 triangles each

Total = ____

7. $2 \times 6 =$ Draw 2 groups of 6 smiley faces each

Total = ____

8. $5 \times 3 =$ Draw 5 groups of 3 crosses each

Total = ____

9. $3 \times 4 =$ Draw 3 groups of 4 flowers each

Total = ____

10. $6 \times 2 =$ Draw 6 groups of 2 apples each

Total = ____

11. $4 \times 5 =$ Draw 4 groups of 5 sticks each

Total = ____

$12.5 \times 4 =$ Draw 5 groups of 4 balls each

Total = ____

$13.2 \times 5 =$ Draw 2 groups of 5 leaves each

Total = ____

$14.6 \times 3 =$ Draw 6 groups of 3 candies each

Total = ____

$15.3 \times 3 =$ Draw 3 groups of 3 butterflies each

Total = ____

Section D: Arrays - Count Rows and Columns (15 marks)

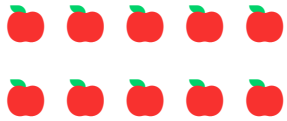
Look at each array. Count the rows and items in each row. Write the multiplication.

1. **Array 1:**



____ rows \times ____ in each row = ____ \times ____ = ____

2. Array 2:



___ rows × ___ in each row = ___ × ___ = ___

3. Array 3:



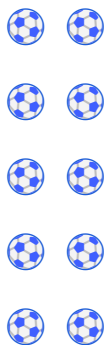
___ rows × ___ in each row = ___ × ___ = ___

4. Array 4:



___ rows × ___ in each row = ___ × ___ = ___

5. Array 5:



___ rows × ___ in each row = ___ × ___ = ___

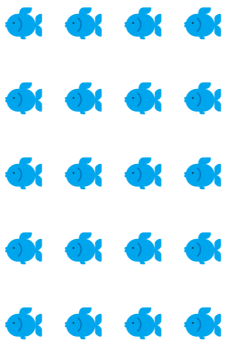
Practice N Learn.com

6. Array 6:



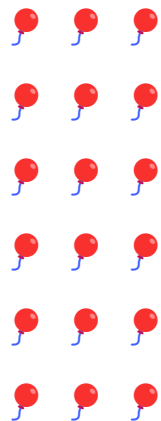
___ rows × ___ in each row = ___ × ___ = ___

7. Array 7:



___ rows × ___ in each row = ___ × ___ = ___

8. Array 8:



___ rows × ___ in each row = ___ × ___ = ___

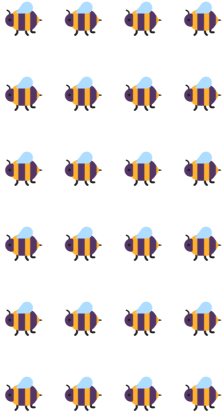
Practice N Learn.com

9. Array 9:



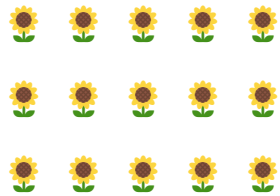
___ rows × ___ in each row = ___ × ___ = ___

10. Array 10:



___ rows × ___ in each row = ___ × ___ = ___

11. Array 11:



___ rows × ___ in each row = ___ × ___ = ___

12. Array 12:



___ rows × ___ in each row = ___ × ___ = ___

13. Array 13:



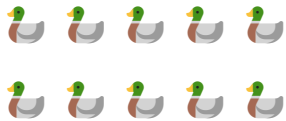
___ rows \times ___ in each row = ___ \times ___ = ___

14. Array 14:



___ rows \times ___ in each row = ___ \times ___ = ___

15. Array 15:



___ rows \times ___ in each row = ___ \times ___ = ___

Section E: Draw Arrays

Draw an array for each multiplication problem. Make sure to draw rows and columns neatly.

1. $3 \times 4 =$ Draw an array with 3 rows and 4 items in each row

Total = ___

2. $5 \times 3 =$ Draw an array with 5 rows and 3 items in each row

Total = ____

3. $2 \times 6 =$ Draw an array with 2 rows and 6 items in each row

Total = ____

4. $4 \times 5 =$ Draw an array with 4 rows and 5 items in each row

Total = ____

5. $6 \times 2 =$ Draw an array with 6 rows and 2 items in each row

Total = ____

6. $3 \times 5 =$ Draw an array with 3 rows and 5 items in each row

Total = ____

7. $5 \times 4 =$ Draw an array with 5 rows and 4 items in each row

Total = ____

8. $2 \times 5 =$ Draw an array with 2 rows and 5 items in each row

Total = ____

9. $4 \times 4 =$ Draw an array with 4 rows and 4 items in each row

Total = ____

10. $6 \times 3 =$ Draw an array with 6 rows and 3 items in each row

Total = ____

Section F: Word Problems with Drawings

Read the problem. Draw groups to solve it. Write the multiplication sentence and answer.

1. **Cookie Problem:** There are 4 plates. Each plate has 3 cookies. How many cookies are there in total?

Draw your groups here:

Multiplication: ____ × ____ = ____

2. **Flower Problem:** A garden has 5 flower pots. Each pot has 4 flowers. How many flowers are there altogether?

Draw your groups here:

Multiplication: ____ × ____ = ____

3. **Car Problem:** There are 6 toy cars. Each car has 2 wheels visible. How many wheels can you see?

Draw your groups here:

Multiplication: ___ × ___ = ___

4. **Bird Problem:** There are 3 trees. 5 birds are sitting on each tree. How many birds are there in total?

Draw your groups here:

Multiplication: ___ × ___ = ___

5. **Pencil Problem:** The teacher gives 4 students 5 pencils each. How many pencils did the teacher give out?

Draw your groups here:

Multiplication: ___ × ___ = ___

6. **Fish Problem:** There are 5 fish bowls. Each bowl has 3 fish. How many fish are there altogether?

Draw your groups here:

Multiplication: ___ × ___ = ___

7. **Balloon Problem:** For a party, there are 6 tables. Each table has 4 balloons. How many balloons are there?

Draw your groups here:

Multiplication: ___ × ___ = ___

8. **Apple Problem:** There are 3 baskets. Each basket has 6 apples. How many apples are there in all?

Draw your groups here:

Multiplication: ___ × ___ = ___

9. **Book Problem:** The library has 4 shelves. Each shelf has 4 books. How many books are on the shelves?

Draw your groups here:

Multiplication: ___ × ___ = ___

10. **Butterfly Problem:** There are 2 gardens. 6 butterflies are in each garden. How many butterflies are there in total?

Draw your groups here:

Multiplication: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

11. **Star Problem:** On 5 cards, there are 5 stars on each card. How many stars are there altogether?

Draw your groups here:

Multiplication: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

12. **Candy Problem:** There are 6 candy jars. Each jar has 3 candies. How many candies are there in all?

Draw your groups here:

Multiplication: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

13. **Toy Problem:** In the toy store, there are 4 boxes. Each box has 6 toys. How many toys are there?

Draw your groups here:

Multiplication: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

14. **Egg Problem:** There are 3 egg cartons. Each carton has 6 eggs. How many eggs are there in total?

Draw your groups here:

Multiplication: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

15. **Flower Garden Problem:** A farmer plants 5 rows of flowers. Each row has 6 flowers. How many flowers did the farmer plant?

Draw your groups here:

Multiplication: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Section G: Match Multiplication with Groups

Draw a line to match the multiplication sentence with the correct group picture.

Column A (Multiplication)

Column B (Pictures)

1. 3×5



2. 4×4



3. 2×6



4. 5×3



5. 6×2



6. 3×6



7. 4×3



8. 5×2



9. 2×5



10. 6×4



Section H: True or False

Look at the pictures and multiplication. Write T for True and F for False.

1.  = $4 \times 3 = 12$ ____

2.  = $5 \times 3 = 15$ ____

3.  = $5 \times 3 = 15$ ____

4.  = $3 \times 4 = 12$ ____

5.  = $2 \times 6 = 12$ ____

Section I: Complete the Multiplication Story

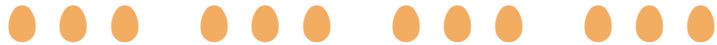
Fill in the blanks to complete the multiplication story.

1. There are ___ baskets with ___ oranges in each basket.



Multiplication: ___ × ___ = ___

2. There are ___ nests with ___ eggs in each nest.



Multiplication: ___ × ___ = ___

3. There are ___ bunches with ___ grapes in each bunch.



Multiplication: ___ × ___ = ___

4. There are ___ boxes with ___ crayons in each box.



Multiplication: ___ × ___ = ___

5. There are ___ vases with ___ flowers in each vase.



Multiplication: ___ × ___ = ___

Section J: Challenge - Create Your Own

Create your own multiplication problems by drawing groups!

1. Draw 4 groups of 5 items. What is the total?

Your drawing:

Multiplication: ___ × ___ = ___

2. Draw 6 groups of 3 items. What is the total?

Your drawing:

Multiplication: $___ \times ___ = ___$

3. Draw 3 groups of 6 items. What is the total?

Your drawing:

Multiplication: $___ \times ___ = ___$

4. Draw 5 groups of 4 items. What is the total?

Your drawing:

Multiplication: $___ \times ___ = ___$

5. Draw your own multiplication problem! Write the multiplication sentence.

Your drawing:

Multiplication: $___ \times ___ = ___$

ANSWER KEY

Section A: Count the Groups and Write the Multiplication

1. 4 groups of 3 = $4 \times 3 = 12$
2. 3 groups of 5 = $3 \times 5 = 15$
3. 5 groups of 2 = $5 \times 2 = 10$
4. 3 groups of 4 = $3 \times 4 = 12$
5. 2 groups of 6 = $2 \times 6 = 12$
6. 5 groups of 3 = $5 \times 3 = 15$
7. 4 groups of 4 = $4 \times 4 = 16$
8. 4 groups of 5 = $4 \times 5 = 20$
9. 6 groups of 2 = $6 \times 2 = 12$
10. 3 groups of 6 = $3 \times 6 = 18$

Section B: Circle the Groups

1. 4 groups of 4 = $4 \times 4 = 16$
2. 5 groups of 3 = $5 \times 3 = 15$
3. 3 groups of 5 = $3 \times 5 = 15$
4. 6 groups of 2 = $6 \times 2 = 12$
5. 5 groups of 4 = $5 \times 4 = 20$
6. 3 groups of 6 = $3 \times 6 = 18$
7. 4 groups of 2 = $4 \times 2 = 8$
8. 6 groups of 3 = $6 \times 3 = 18$
9. 2 groups of 5 = $2 \times 5 = 10$
10. 3 groups of 4 = $3 \times 4 = 12$

Section C: Draw the Groups

1. $2 \times 4 = 8$
2. $3 \times 5 = 15$

3. $4 \times 3 = 12$

4. $5 \times 2 = 10$

5. $3 \times 6 = 18$

6. $4 \times 4 = 16$

7. $2 \times 6 = 12$

8. $5 \times 3 = 15$

9. $3 \times 4 = 12$

10. $6 \times 2 = 12$

11. $4 \times 5 = 20$

12. $5 \times 4 = 20$

13. $2 \times 5 = 10$

14. $6 \times 3 = 18$

15. $3 \times 3 = 9$

Section D: Arrays - Count Rows and Columns

1. 3 rows \times 4 in each row = $3 \times 4 = 12$

2. 2 rows \times 5 in each row = $2 \times 5 = 10$

3. 4 rows \times 3 in each row = $4 \times 3 = 12$

4. 3 rows \times 6 in each row = $3 \times 6 = 18$

5. 5 rows \times 2 in each row = $5 \times 2 = 10$

6. 4 rows \times 5 in each row = $4 \times 5 = 20$

7. 5 rows \times 4 in each row = $5 \times 4 = 20$

8. 6 rows \times 3 in each row = $6 \times 3 = 18$

9. 2 rows \times 6 in each row = $2 \times 6 = 12$

10. 6 rows \times 4 in each row = $6 \times 4 = 24$

11. 3 rows \times 5 in each row = $3 \times 5 = 15$

12. 4 rows \times 2 in each row = $4 \times 2 = 8$

13. $4 \text{ rows} \times 6 \text{ in each row} = 4 \times 6 = 24$

14. $5 \text{ rows} \times 3 \text{ in each row} = 5 \times 3 = 15$

15. $2 \text{ rows} \times 5 \text{ in each row} = 2 \times 5 = 10$

Section E: Draw Arrays

1. $3 \times 4 = 12$

2. $5 \times 3 = 15$

3. $2 \times 6 = 12$

4. $4 \times 5 = 20$

5. $6 \times 2 = 12$

6. $3 \times 5 = 15$

7. $5 \times 4 = 20$

8. $2 \times 5 = 10$

9. $4 \times 4 = 16$

10. $6 \times 3 = 18$

Section F: Word Problems with Drawings

1. $4 \times 3 = 12$ cookies

2. $5 \times 4 = 20$ flowers

3. $6 \times 2 = 12$ wheels

4. $3 \times 5 = 15$ birds

5. $4 \times 5 = 20$ pencils

6. $5 \times 3 = 15$ fish

7. $6 \times 4 = 24$ balloons

8. $3 \times 6 = 18$ apples

9. $4 \times 4 = 16$ books

10. $2 \times 6 = 12$ butterflies

11. $5 \times 5 = 25$ stars

$12.6 \times 3 = 18$ candies

$13.4 \times 6 = 24$ toys

$14.3 \times 6 = 18$ eggs

$15.5 \times 6 = 30$ flowers

Section G: Match Multiplication with Groups

1. $3 \times 5 = c$  (15)

2. $4 \times 4 = a$  (16)

3. $2 \times 6 = b$  (12)

4. $5 \times 3 = e$  (15)

5. $6 \times 2 = f$  (12)

6. $3 \times 6 = d$  (18)

7. $4 \times 3 = h$  (12)

8. $5 \times 2 = i$  (10)

9. $2 \times 5 =$ (Note: Not exactly matching any option, closest would be reverse of 5×2)

10. $6 \times 4 = j$  (24)

Section H: True or False

1. T ($4 \times 3 = 12$)

2. T ($3 \times 5 = 15$)

3. F ($5 \times 2 = 10$, not 15)

4. T ($3 \times 4 = 12$)

5. T ($2 \times 6 = 12$)

Section I: Complete the Multiplication Story

1. 5 baskets with 4 oranges in each basket. $5 \times 4 = 20$

2. 4 nests with 3 eggs in each nest. $4 \times 3 = 12$

3. 3 bunches with 5 grapes in each bunch. $3 \times 5 = 15$

4. 6 boxes with 2 crayons in each box. $6 \times 2 = 12$

5. 3 vases with 4 flowers in each vase. $3 \times 4 = 12$

Section J: Challenge - Create Your Own

1. $4 \times 5 = 20$

2. $6 \times 3 = 18$

3. $3 \times 6 = 18$

4. $5 \times 4 = 20$

5. Answers will vary (Teacher should check drawing matches multiplication sentence)

Teacher's Notes:

- This worksheet focuses entirely on visual and grouping methods for multiplication
- Students should draw actual pictures/objects in drawing sections
- Encourage students to count by groups for faster calculation
- Check that arrays are drawn correctly with proper rows and columns
- This assessment tests conceptual understanding, not memorization