

Multiplication of Single Digit Numbers

Grade 1

Name: _____ Date: _____

Section A: Count the Groups

Look at the pictures and write the multiplication sentence and answer:



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___




___ groups of ___ = ___ × ___ = ___



___ groups of ___ = ___ × ___ = ___

Section B: Draw and Multiply

Draw the correct number of groups with objects inside. Then write the answer.

Example: Draw 3 groups of 2 stars Answer:  = 6

1. Draw 4 groups of 3 circles.

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

2. Draw 5 groups of 2 hearts.

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

3. Draw 3 groups of 5 dots.

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

4. Draw 2 groups of 4 triangles.

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

5. Draw 6 groups of 2 squares.

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

6. Draw 4 groups of 4 flowers.

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

7. Draw 3 groups of 6 sticks.

$$6 \times 3 = \underline{\quad}$$

8. Draw 5 groups of 3 stars.

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

9. Draw 7 groups of 2 crosses.

$$2 \times 7 = \underline{\quad}$$

10. Draw 2 groups of 5 circles.

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

11. Draw 4 groups of 5 dots.

$$5 \times 4 = \underline{\quad}$$

12. Draw 6 groups of 3 hearts.

$$3 \times 6 = \underline{\quad}$$

13. Draw 5 groups of 4 squares.

$$4 \times 5 = \underline{\quad}$$

14. Draw 3 groups of 7 lines.

$$7 \times 3 = \underline{\quad}$$

15. Draw 8 groups of 2 triangles.

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

Section C: Arrays - Rows and Columns

Draw arrays (organized rows) and write the multiplication:

1. Draw 3 rows with 4 stars in each row.

How many rows? How many in each row? Total?

Multiplication: \times =

2. Draw 5 rows with 2 circles in each row.

How many rows? How many in each row? Total?

Multiplication: \times =

3. Draw 2 rows with 6 dots in each row.

How many rows? How many in each row? Total?

Multiplication: \times =

4. Draw 4 rows with 5 triangles in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

5. Draw 6 rows with 3 hearts in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

6. Draw 3 rows with 3 squares in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

7. Draw 5 rows with 5 stars in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

8. Draw 4 rows with 3 crosses in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

9. Draw 7 rows with 2 circles in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

10. Draw 2 rows with 8 dots in each row.

How many rows? ____ How many in each row? ____ Total? ____

Multiplication: ____ \times ____ = ____

Section D: Multiplication Sentences - Horizontal Format

Solve these multiplication problems:

1. $3 \times 2 =$ ____

2. $5 \times 4 =$ ____

3. $2 \times 6 =$ ____

4. $4 \times 3 =$ ____

5. $3 \times 5 =$ ____

6. $2 \times 7 =$ _____

7. $5 \times 3 =$ _____

8. $4 \times 4 =$ _____

9. $6 \times 2 =$ _____

10. $3 \times 6 =$ _____

Section E: Multiplication Sentences - Vertical Format (10 marks)

Solve these multiplication problems:

1. $\begin{array}{r} 3 \\ \times 4 \\ \hline \hline \end{array}$

2. $\begin{array}{r} 5 \\ \times 2 \\ \hline \hline \end{array}$

3. $\begin{array}{r} 4 \\ \times 5 \\ \hline \hline \end{array}$

4. $\begin{array}{r} 2 \\ \times 8 \\ \hline \hline \end{array}$

5. $\begin{array}{r} 6 \\ \times 3 \\ \hline \hline \end{array}$

2. $\begin{array}{r} 7 \\ \times 3 \\ \hline \hline \end{array}$

7. $\begin{array}{r} 3 \\ \times 7 \\ \hline \hline \end{array}$

8. $\begin{array}{r} 5 \\ \times 5 \\ \hline \hline \end{array}$

9. $\begin{array}{r} 4 \\ \times 6 \\ \hline \hline \end{array}$

10. $\begin{array}{r} 2 \\ \times 9 \\ \hline \hline \end{array}$

Section F: Complete the Groups

Fill in the missing information:

1.  |  | ? | ?

4 groups of 3 apples. Draw the missing groups. Total = _____

2.  |  | ?

3 groups of 5 stars. Draw the missing group. Total = _____

3.  |  |  | ? | ?

5 groups of 2 flowers. Draw the missing groups. Total = _____

4. There are ____ groups of 4. Total = 20

Draw all the groups below:

5. There are 3 groups of ____ . Total = 18

Draw all the groups below:

6.  |  | ? | ? | ?

5 groups of 4 cars. Draw the missing groups. Total = ____

7. There are ____ groups of 5. Total = 25

Draw all the groups below:

8.  8. 

6 groups of 3 balloons. Draw the missing groups. Total = _____

9. There are 4 groups of _____. Total = 16

Draw all the groups below:

10. There are _____ groups of 2. Total = 14

Draw all the groups below:

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Section G: Word Problems with Drawing

Read the problem, draw groups, and solve:

1. Maya has 3 baskets. Each basket has 4 mangoes. How many mangoes does she have in all?

Draw the baskets and mangoes:

Multiplication: ____ × ____ = ____

Answer: Maya has ____ mangoes.

2. There are 5 cars in the parking lot. Each car has 4 wheels. How many wheels are there in total?

Draw the cars and wheels:

Multiplication: ____ × ____ = ____

Answer: There are ____ wheels.

3. Rohan bought 4 packs of crayons. Each pack has 5 crayons. How many crayons did he buy?

Draw the packs and crayons:

Multiplication: ____ × ____ = ____

Answer: Rohan bought ____ crayons.

4. A garden has 6 flower pots. Each pot has 3 flowers. How many flowers are there?

Draw the pots and flowers:

Multiplication: ____ \times ____ = ____

Answer: There are ____ flowers.

5. There are 2 boxes. Each box has 10 chocolates. How many chocolates are there altogether?

Draw the boxes and chocolates:

Multiplication: ____ \times ____ = ____

Answer: There are ____ chocolates.

6. Priya gave 2 pencils to each of her 7 friends. How many pencils did she give away?

Draw the friends and pencils:

Multiplication: ____ × ____ = ____

Answer: Priya gave ____ pencils.

7. A spider has 4 legs. If there are 5 spiders, how many legs are there in total?

Draw the spiders and legs:

Multiplication: ____ × ____ = ____

Answer: There are ____ legs.

8. Each table in the classroom has 4 students. There are 6 tables. How many students are there?

Draw the tables and students:

Multiplication: ____ × ____ = ____

Answer: There are ____ students.

9. A tricycle has 3 wheels. How many wheels do 4 tricycles have?

Draw the tricycles and wheels:

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

Answer: $\underline{\quad}$ wheels.

10. Mom baked 5 trays of cookies. Each tray has 6 cookies. How many cookies did she bake?

Draw the trays and cookies:

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

Answer: Mom baked $\underline{\quad}$ cookies.

11. There are 3 teams playing. Each team has 5 players. How many players are there in all?

Draw the teams and players:

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

Answer: There are $\underline{\quad}$ players.

12. Each bird has 2 wings. If there are 8 birds, how many wings are there?

Draw the birds and wings:

Multiplication: ____ × ____ = ____

Answer: There are ____ wings.

13. A book costs 5 rupees. How much do 7 books cost?

Draw the books and show 5 rupees for each:

Multiplication: ____ × ____ = ____

Answer: 7 books cost ____ rupees.

14. There are 4 nests. Each nest has 3 eggs. How many eggs are there in total?

Draw the nests and eggs:

Multiplication: ____ × ____ = ____

Answer: There are ____ eggs.

15. Each hand has 5 fingers. How many fingers do 3 children have? (Remember: each child has 2 hands!)








Draw the children and their hands with fingers:




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

Answer: 3 children have $\underline{\quad}$ fingers.

Section H: True or False - Look at Groups

Write T for True or F for False:







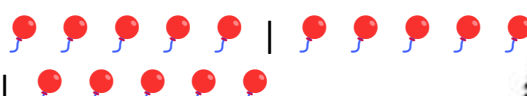


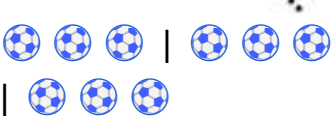
-  = $4 \times 3 = 12$ _____
 -  = $3 \times 5 = 20$ _____
 -  = $5 \times 2 = 10$ _____
 -  = $3 \times 4 = 16$ _____
 -  = $5 \times 3 = 15$ _____
 -  = $2 \times 4 = 10$ _____
 -  = $4 \times 5 = 20$

 -  = $6 \times 2 = 14$ _____
 -  = $4 \times 3 = 12$ _____
 -  = $7 \times 5 = 35$ _____
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Section I: Match the Groups to Multiplication

Draw lines to match the picture groups with the correct multiplication:

Column A (Pictures)

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Column B (Multiplication)

- $5 \times 3 = 15$
- $3 \times 2 = 6$
- $4 \times 4 = 16$
- $2 \times 5 = 10$
- $6 \times 2 = 12$
- $3 \times 4 = 12$
- $4 \times 5 = 20$
- $5 \times 4 = 20$
- $3 \times 3 = 9$
- $4 \times 3 = 12$

Section J: Challenge Questions

These are tricky! Draw and solve:

- Draw 3 groups of 4 circles. Then add 2 more groups of 4 circles. How many circles in total?

Answer: _____

2. A farmer has 5 cages. Each cage has 3 rabbits. He gets 2 more cages with 3 rabbits in each. How many rabbits does he have now?

Draw and solve:

Answer: _____

3. Draw 4 rows with 5 stars in each row. Then draw 2 rows with 5 stars in each row. How many stars did you draw?

Answer: _____

4. Maya made 6 groups of 2 cookies. She ate 1 whole group. How many cookies are left?

Draw and solve:

Answer: _____

5. There are 3 boxes with 6 toys in each box. Ravi adds 1 more box with 6 toys. How many toys are there now?

Draw and solve:

Answer: _____

6. Draw 5 groups of 3 apples. Circle 2 complete groups. How many apples did you circle?

Answer: _____

7. A garden has 4 rows of flowers with 4 flowers in each row. If 2 flowers are picked from the garden, how many flowers are left?

Draw and solve:

Answer: _____

8. Draw 7 groups of 2 balloons. Pop (cross out) 3 complete groups. How many balloons are left?

Answer: _____

9. There are 3 shelves. Each shelf has 5 books. Mom adds 5 more books to each shelf. How many books are on each shelf now? How many books in total?

Draw and solve:

Books per shelf: _____ Total books: _____

10. Draw 2 groups of 8 dots. Then draw 3 groups of 2 dots. Which has more dots? How many more?

Answer: _____

ANSWER KEY

Section A: Count the Groups

1. 4 groups of 3 = $4 \times 3 = 12$
2. 3 groups of 5 = $3 \times 5 = 15$
3. 6 groups of 2 = $6 \times 2 = 12$
4. 5 groups of 4 = $5 \times 4 = 20$
5. 4 groups of 3 = $4 \times 3 = 12$
6. 4 groups of 5 = $4 \times 5 = 20$
7. 3 groups of 4 = $3 \times 4 = 12$
8. 7 groups of 2 = $7 \times 2 = 14$
9. 2 groups of 5 = $2 \times 5 = 10$
10. 6 groups of 4 = $6 \times 4 = 24$

Section B: Draw and Multiply

1. 12
2. 10
3. 15
4. 8
5. 12
6. 16
7. 18
8. 15
9. 14
10. 10
11. 20
12. 18

13.20

14.21

15.16

Section C: Arrays - Rows and Columns

1. 3 rows, 4 in each, Total: 12, Multiplication: $3 \times 4 = 12$
2. 5 rows, 2 in each, Total: 10, Multiplication: $5 \times 2 = 10$
3. 2 rows, 6 in each, Total: 12, Multiplication: $2 \times 6 = 12$
4. 4 rows, 5 in each, Total: 20, Multiplication: $4 \times 5 = 20$
5. 6 rows, 3 in each, Total: 18, Multiplication: $6 \times 3 = 18$
6. 3 rows, 3 in each, Total: 9, Multiplication: $3 \times 3 = 9$
7. 5 rows, 5 in each, Total: 25, Multiplication: $5 \times 5 = 25$
8. 4 rows, 3 in each, Total: 12, Multiplication: $4 \times 3 = 12$
9. 7 rows, 2 in each, Total: 14, Multiplication: $7 \times 2 = 14$
10. 2 rows, 8 in each, Total: 16, Multiplication: $2 \times 8 = 16$

Section D: Multiplication Sentences - Horizontal

1. 6
2. 20
3. 12
4. 12
5. 15
6. 14
7. 15
8. 16
9. 12
10. 18

Section E: Multiplication Sentences - Vertical

1. 12
2. 10
3. 20
4. 16
5. 18
6. 21
7. 21
8. 25
9. 24
10. 18

Section F: Complete the Groups

1. Total = 12
2. Total = 15
3. Total = 10
4. 5 groups of 4
5. 3 groups of 6
6. Total = 20
7. 5 groups of 5
8. Total = 18
9. 4 groups of 4
10. 7 groups of 2

Section G: Word Problems with Drawing

1. $3 \times 4 = 12$ mangoes
2. $5 \times 4 = 20$ wheels
3. $4 \times 5 = 20$ crayons
4. $6 \times 3 = 18$ flowers

5. $2 \times 10 = 20$ chocolates

6. $7 \times 2 = 14$ pencils

7. $5 \times 4 = 20$ legs

8. $6 \times 4 = 24$ students

9. $4 \times 3 = 12$ wheels

10. $5 \times 6 = 30$ cookies

11. $3 \times 5 = 15$ players

12. $8 \times 2 = 16$ wings

13. $7 \times 5 = 35$ rupees

14. $4 \times 3 = 12$ eggs

15. $3 \text{ children} \times 2 \text{ hands} \times 5 \text{ fingers} = 3 \times 10 = 30 \text{ fingers}$ (or $6 \text{ hands} \times 5 \text{ fingers} = 30$)

Section H: True or False

1. T

2. F (should be 15)

3. T

4. F (should be 12)

5. T

6. F (should be 8)

7. T

8. F (should be 12)

9. T

10. T

Section I: Match the Groups

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

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

3. c ($4 \times 4 = 16$)

4. d ($2 \times 5 = 10$)
5. f or j ($3 \times 4 = 12$)
6. g or h ($4 \times 5 = 20$)
7. a ($3 \times 5 = 15$) - already used
8. e ($6 \times 2 = 12$)
9. f or j ($3 \times 4 = 12$) - multiple options
- 10.i ($3 \times 3 = 9$)

Note: Some matches have multiple correct options as different groupings yield same totals

Section J: Challenge Questions

1. 20 circles ($3 \times 4 = 12$, plus $2 \times 4 = 8$, total = 20)
 2. 21 rabbits ($5 \times 3 = 15$, plus $2 \times 3 = 6$, total = 21)
 3. 30 stars ($4 \times 5 = 20$, plus $2 \times 5 = 10$, total = 30)
 4. 10 cookies ($6 \times 2 = 12$, minus 1 group of 2 = 10)
 5. 24 toys ($3 \times 6 = 18$, plus $1 \times 6 = 6$, total = 24)
 6. 6 apples (2 groups of 3)
 7. 14 flowers ($4 \times 4 = 16$, minus 2 = 14)
 8. 8 balloons ($7 \times 2 = 14$, minus $3 \times 2 = 6$, leaves = 8)
 9. 10 books per shelf (5+5), 30 books total (3×10)
 10. $2 \times 8 = 16$ has more; $3 \times 2 = 6$; difference = 10 more dots
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