

Multiplication of 2-3 Digit numbers with Single Digit (Without Carryover)

Grade 2

Name: _____ Date: _____

Instructions

- Read each question carefully
 - Show your work where needed
 - No calculators allowed!
 - Time limit: 60 minutes
 - Each section is worth 10 points
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Section 1: Mental Math Challenge

Solve these in your head! Write only the answer.

1. $43 \times 2 =$ _____

2. $31 \times 3 =$ _____

3. $22 \times 4 =$ _____

4. $41 \times 2 =$ _____

5. $12 \times 3 =$ _____

6. $33 \times 3 =$ _____

7. $21 \times 4 =$ _____

8. $44 \times 2 =$ _____

9. $11 \times 8 =$ _____

10. $32 \times 3 =$ _____

Section 2: Vertical Multiplication

Solve these using the vertical method. Show your work!

1.

34

× 2

2.

213

× 3

3.

43

× 2

4.

322

× 2

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5.

$$\begin{array}{r} 12 \\ \times 7 \\ \hline \hline \end{array}$$

6.

$$\begin{array}{r} 204 \\ \times 2 \\ \hline \hline \end{array}$$

7.

$$\begin{array}{r} 33 \\ \times 3 \\ \hline \hline \end{array}$$

8.

$$\begin{array}{r} 411 \\ \times 4 \\ \hline \hline \end{array}$$

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9.

$$\begin{array}{r} 24 \\ \times 2 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 312 \\ \times 3 \\ \hline \\ \hline \end{array}$$

Section 3: Horizontal Multiplication

Solve these multiplication problems.

1. $42 \times 2 = \underline{\quad}$

2. $321 \times 3 = \underline{\quad}$

3. $23 \times 3 = \underline{\quad}$

4. $412 \times 2 = \underline{\quad}$

5. $34 \times 2 = \underline{\quad}$

6. $211 \times 4 = \underline{\quad}$

7. $44 \times 2 = \underline{\quad}$

8. $102 \times 4 = \underline{\quad}$

9. $32 \times 3 = \underline{\quad}$

10. $231 \times 3 = \underline{\quad}$

Section 4: Word Problems

Read carefully and solve. Show your work!

1. Maya arranges her toy cars in 3 rows. Each row has 42 cars. How many toy cars does Maya have in total?

Answer: _____

2. A library has 4 shelves. Each shelf holds 212 books. How many books are there in total?

Answer: _____

3. Rohan practices piano for 23 minutes every day. How many minutes does he practice in 3 days?

Answer: _____

4. A baker makes 134 cookies. He needs to make double that amount for a party. How many cookies will he make in total?

Answer: _____

5. There are 43 students in each class. If there are 2 classes, how many students are there altogether?

Answer: _____

6. A farmer plants 122 seeds in one field. He has 4 fields. How many seeds does he plant in total?

Answer: _____

7. Emma reads 31 pages of her book each day. How many pages will she read in 3 days?

Answer: _____

8. A toy shop has 214 action figures. Another shop has exactly the same amount. How many action figures do both shops have together?

Answer: _____

9. There are 22 pencils in each box. If a teacher buys 4 boxes, how many pencils does she have?

Answer: _____

10. A train has 312 passengers. Another train of the same type has 3 times fewer passengers. How many passengers are on the second train?

Answer: _____

Section 5: Fill in the Missing Numbers

Complete these multiplication problems.

1. $3_ \times 2 = 68$

2. $2_ \times 3 = 69$

3. $__12 \times 2 = 824$

4. $4_ \times 2 = 88$

5. $1_4 \times 2 = 328$

6. $__3 \times 3 = 69$

7. $32_ \times 3 = 963$

8. $__11 \times 4 = 844$

9. $2_2 \times 2 = 484$

10. $3_1 \times 3 = 963$

Section 6: Skip Counting Patterns

Complete the skip counting sequences.

1. Counting by 2s: 42, 44, 46, _____, _____, 52
2. Counting by 3s: 33, 36, 39, _____, _____, 48
3. Counting by 4s: 44, 48, 52, _____, _____, 64
4. Counting by 2s: 82, 84, 86, _____, _____, 92
5. Counting by 3s: 63, 66, 69, _____, _____, 78
6. Counting by 4s: 84, 88, 92, _____, _____, 104
7. Counting by 2s: 122, 124, 126, _____, _____, 132
8. Counting by 3s: 321, 324, 327, _____, _____, 336
9. Counting by 4s: 404, 408, 412, _____, _____, 424
10. Counting by 2s: 642, 644, 646, _____, _____, 652

Section 7: Pattern Recognition

Study the pattern and complete it.

1. 11, 22, 33, _____, _____, 66
2. 21, 42, 63, _____, _____, 126
3. 12, 24, 36, _____, _____, 60
4. 43, 86, 129, _____, _____, 258
5. 31, 62, 93, _____, _____, 155
6. 22, 44, 66, _____, _____, 110
7. 41, 82, 123, _____, _____, 246
8. 13, 26, 39, _____, _____, 65
9. 44, 88, 132, _____, _____, 220
10. 32, 64, 96, _____, _____, 160

Section 8: Properties of Multiplication ⚡

Answer these questions about multiplication properties.

- $42 \times 0 =$ _____
- $134 \times 10 =$ _____
- $23 \times 1 =$ _____
- Is 43×2 equal to 2×43 ? (Yes/No) _____
- $321 \times 0 =$ _____
- $67 \times 10 =$ _____
- $412 \times 1 =$ _____
- Which is easier to solve: 2×44 or 44×2 ? _____
- $44 \times 10 =$ _____
- $0 \times 234 =$ _____

Section 9: Multiplication Tables 📊

Complete these multiplication sequences.

- $11 \times 1 =$ _____, $11 \times 2 =$ _____, $11 \times 3 =$ _____
- $12 \times 2 =$ _____, $12 \times 3 =$ _____, $12 \times 4 =$ _____
- $21 \times 2 =$ _____, $21 \times 3 =$ _____, $21 \times 4 =$ _____
- $13 \times 3 =$ _____, $13 \times 4 =$ _____, $13 \times 5 =$ _____
- $22 \times 2 =$ _____, $22 \times 3 =$ _____, $22 \times 4 =$ _____
- $31 \times 1 =$ _____, $31 \times 2 =$ _____, $31 \times 3 =$ _____
- $14 \times 2 =$ _____, $14 \times 3 =$ _____, $14 \times 4 =$ _____
- $23 \times 2 =$ _____, $23 \times 3 =$ _____, $23 \times 4 =$ _____
- $33 \times 2 =$ _____, $33 \times 3 =$ _____, $33 \times 4 =$ _____

$$10. 41 \times 2 = \underline{\quad}, 41 \times 3 = \underline{\quad}, 41 \times 4 = \underline{\quad}$$

Section 10: Challenge Problems 🏆

These are extra challenging! Try your best.

1. If $43 \times 2 = 86$, what is $86 \div 2$? _____
2. Find the missing multiplier: $32 \times \underline{\quad} = 96$
3. Which is greater: 42×2 or 21×4 ? _____
4. If $23 \times 3 = 69$, what is 23×6 ? (Hint: Double your answer!) _____
5. Complete: $121 \times 4 = \underline{\quad}$
6. If $31 \times 3 = 93$, what is $93 \div 3$? _____
7. Find the missing multiplier: $44 \times \underline{\quad} = 88$
8. A number multiplied by 3 gives 126. What is the number? _____
9. Complete: $222 \times 4 = \underline{\quad}$
10. If you multiply 104 by 2, then multiply that answer by 2 again, what do you get? _____

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 **ANSWER KEY**

Section 1: Mental Math Challenge

1. 86
2. 93
3. 88
4. 82
5. 36
6. 99
7. 84
8. 88
9. 88
10. 96

Section 2: Vertical Multiplication

1. 68
2. 639
3. 86
4. 644
5. 84
6. 408
7. 99
8. 1644
9. 48
10. 936

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Section 3: Horizontal Multiplication

1. 84
2. 963
3. 69
4. 824
5. 68
6. 844
7. 88
8. 408
9. 96
- 10.693

Section 4: Word Problems

1. 126 toy cars
2. 848 books
3. 69 minutes
4. 268 cookies
5. 86 students
6. 488 seeds
7. 93 pages
8. 428 action figures
9. 88 pencils
- 10.104 passengers

Section 5: Fill in the Missing Numbers

1. 34
2. 23
3. 412
4. 44
5. 164
6. 23
7. 321
8. 211
9. 242
10. 321

Section 6: Skip Counting Patterns

1. 48, 50
2. 42, 45
3. 56, 60
4. 88, 90
5. 72, 75
6. 96, 100
7. 128, 130
8. 330, 333
9. 416, 420
10. 648, 650

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Section 7: Pattern Recognition

1. 44, 55 ($\times 1, \times 2, \times 3\dots$)
2. 84, 105 ($\times 2, \times 3, \times 4\dots$)
3. 48, 52 ($\times 2, \times 3, \times 4\dots$)
4. 172, 215 ($\times 2, \times 3, \times 4\dots$)
5. 124, 155 ($\times 2, \times 3, \times 4\dots$)
6. 88, 110 ($\times 2, \times 3, \times 4\dots$)
7. 164, 205 ($\times 2, \times 3, \times 4\dots$)
8. 52, 65 ($\times 2, \times 3, \times 4\dots$)
9. 176, 220 ($\times 2, \times 3, \times 4\dots$)
10. 128, 160 ($\times 2, \times 3, \times 4\dots$)

Section 8: Properties of Multiplication


1. 0
2. 1340
3. 23
4. Yes
5. 0
6. 670
7. 412
8. Both are equally easy (or either answer is acceptable)
9. 440
10. 0

Section 9: Multiplication Tables

1. 11, 22, 33
2. 24, 36, 48
3. 42, 63, 84
4. 39, 52, 65
5. 44, 66, 88
6. 31, 62, 93
7. 28, 42, 56
8. 46, 69, 92
9. 66, 99, 132
10. 82, 123, 164

Section 10: Challenge Problems

1. 43
2. 3
3. They are equal (both = 84)
4. 138
5. 484
6. 31
7. 2
8. 42
9. 888
10. 416

 **Remember: Mistakes are proof that you're trying! Keep practicing and you'll become a multiplication expert!** 