Long Division with Remainder
Grade 2

Name: _____ **Date:** _____

📋 **Instructions**

🖍️ Solve each problem using the long division method

🖍️ Show your work in the space provided

🖍️ Write your answer clearly

🖍️ Check if there's a remainder!

Section A: Division WITHOUT Remainder (Perfect Division) ✨

🌟 **Type 1: Basic Division.** *These numbers divide evenly - no leftovers!*

1. 12 ÷ 3 = _____

   $3\overline{)12}$

2. 20 ÷ 4 = _____

4 ⟌ 20

3. 18 ÷ 2 = _____

2 ⟌ 18

4. 25 ÷ 5 = _____

5 ⟌ 25

5. 16 ÷ 4 = _____

4 ⟌ 16

6. 30 ÷ 5 = _____

5 ⟌ 30

7. 21 ÷ 3 = _____

3 ⟌ 21

8. 24 ÷ 6 = _____

6 ⟌ 24

9. 28 ÷ 4 = _____

4 ⟌ 28

10. 35 ÷ 5 = _____

5 ⟌ 35

Section B: Division WITH Remainder (Leftovers!) 🎈

🌟 **Type 2: Division with Small Remainders.** *Some pieces will be left over!*

11.13 ÷ 3 = _____ R _____

3 ⟌ 13

12.17 ÷ 4 = _____ R _____

4 ⟌ 17

13.19 ÷ 2 = _____ R _____

2 ⟌ 19

14.23 ÷ 5 = _____ R _____

5 ⟌ 23

15.14 ÷ 4 = _____ R _____

4 ⟌ 14

16.22 ÷ 5 = _____ R _____

5 ⟌ 22

17.26 ÷ 3 = _____ R _____

3 ⟌ 26

18.29 ÷ 6 = _____ R _____

6 ⟌ 29

19.31 ÷ 4 = _____ R _____

4 ⟌ 31

20.27 ÷ 5 = _____ R _____

5 ⟌ 27

Section C: Challenge Problems - Larger Numbers! 🚀

🌟 **Type 3: Larger Numbers WITHOUT Remainder** *Bigger numbers, but they still divide perfectly!*

21.36 ÷ 6 = _____

6 ⟌ 36

22.40 ÷ 5 = _____

5 ⟌ 40

23.32 ÷ 4 = _____

4 ⟌ 32

24.42 ÷ 6 = _____

6 ⟌ 42

25.45 ÷ 5 = _____

5 ⟌ 45

26.48 ÷ 6 = _____

6 ⟌ 48

27.54 ÷ 6 = _____

6 ⟌ 54

28.49 ÷ 7 = _____

7 ⟌ 49

29.56 ÷ 7 = _____

7 ⟌ 56

30.63 ÷ 7 = _____

7 ⟌ 63

Section D: Challenge Problems - Larger Numbers WITH Remainder! 💪

🌟 **Type 4: Larger Numbers with Remainders.** *These are tricky! Take your time!*

31.38 ÷ 6 = _____ R _____

6 ⟌ 38

32.43 ÷ 5 = _____ R _____

5 ⟌ 43

33.37 ÷ 4 = _____ R _____

4 ⟌ 37

34.41 ÷ 6 = _____ R _____

6 ⟌ 41

35.47 ÷ 5 = _____ R _____

5 ⟌ 47

36.50 ÷ 6 = _____ R _____

6 ⟌ 50

37.53 ÷ 7 = _____ R _____

7 ⟌ 53

38.58 ÷ 7 = _____ R _____

7 ⟌ 58

39.59 ÷ 6 = _____ R _____

6 ⟌ 59

40.65 ÷ 7 = _____ R _____

7 ⟌ 65

Section E: Division by 2 and 3 - Mixed Practice! 🎨

🌟 **Type 5: Dividing by 2** *Some with remainders, some without!*

41. 14 ÷ 2 = _____ R _____
42. 17 ÷ 2 = _____ R _____
43. 22 ÷ 2 = _____ R _____
44. 25 ÷ 2 = _____ R _____
45. 30 ÷ 2 = _____ R _____
46. 33 ÷ 2 = _____ R _____
47. 38 ÷ 2 = _____ R _____
48. 44 ÷ 2 = _____ R _____
49. 51 ÷ 2 = _____ R _____
50. 60 ÷ 2 = _____ R _____

🌟 **Type 6: Dividing by 3.** *Remember: The remainder can only be 0, 1, or 2!*

51. 15 ÷ 3 = _____ R _____
52. 20 ÷ 3 = _____ R _____
53. 24 ÷ 3 = _____ R _____
54. 28 ÷ 3 = _____ R _____
55. 33 ÷ 3 = _____ R _____
56. 38 ÷ 3 = _____ R _____
57. 42 ÷ 3 = _____ R _____
58. 47 ÷ 3 = _____ R _____
59. 54 ÷ 3 = _____ R _____
60. 61 ÷ 3 = _____ R _____

Section F: Word Problems - Real Life Division! 📚

🌟 **Type 7: Word Problems WITHOUT Remainder**

61. Emma has 24 crayons. She wants to put them in 6 equal boxes. How many crayons go in each box?

Answer: _____ crayons

62. A baker made 30 cookies and packed them equally into 5 boxes. How many cookies are in each box?

Answer: _____ cookies

---

63. There are 28 students going on a field trip. They need to split into 4 equal groups. How many students are in each group?

Answer: _____ students

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64. A farmer has 36 eggs to put in cartons. Each carton holds 6 eggs. How many cartons will he fill?

Answer: _____ cartons

---

65. Mom bought 40 flowers to make 5 equal bouquets. How many flowers are in each bouquet?

Answer: _____ flowers

---

66. There are 48 pencils to share equally among 6 classrooms. How many pencils does each classroom get?

Answer: _____ pencils

---

67. A toy store has 35 toy cars to arrange on 5 shelves equally. How many cars go on each shelf?

Answer: _____ cars

---

68. Jake has 42 marbles to divide equally among 7 friends. How many marbles does each friend get?

Answer: _____ marbles

---

69. There are 56 chairs to arrange in 7 equal rows. How many chairs are in each row?

Answer: _____ chairs

---

70. A library has 63 books to place equally on 7 shelves. How many books go on each shelf?

Answer: _____ books

Type 8: Word Problems WITH Remainder

71. Sarah has 25 stickers to share equally among 4 friends. How many stickers does each friend get? How many are left over?

Answer: _____ stickers each, _____ left over

---

72. A teacher has 29 pencils to give to 6 students equally. How many pencils does each student get? How many are left over?

Answer: _____ pencils each, _____ left over

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73. There are 34 apples to pack into bags. Each bag holds 5 apples. How many bags can be filled? How many apples are left?

Answer: _____ bags filled, _____ apples left

---

74. Mom made 37 cookies. She wants to pack 6 cookies in each box. How many boxes can she fill? How many cookies are left?

Answer: _____ boxes filled, _____ cookies left

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75. A zoo has 41 birds to put in cages. Each cage fits 7 birds. How many cages will be full? How many birds are left?

Answer: _____ cages full, _____ birds left

---

76. There are 46 candies to divide among 5 children equally. How many candies does each child get? How many candies are left?

Answer: _____ candies each, _____ left over

---

77. A farmer has 52 carrots to bundle into groups of 6. How many bundles can he make? How many carrots are left?

Answer: _____ bundles, _____ carrots left

---

78. There are 55 balloons for 7 party tables. If we put the same number on each table, how many balloons per table? How many are left?

Answer: _____ balloons per table, _____ left over

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79. A shop has 62 toys to pack into boxes. Each box holds 8 toys. How many boxes can be filled? How many toys are left?

Answer: _____ boxes filled, _____ toys left

---

80. There are 67 students going on buses. Each bus holds 9 students. How many buses will be full? How many students are left?

Answer: _____ buses full, _____ students left

Section G: Mental Maths- Mixed Challenge - You Choose! 🎯

🌟 **Type 9: Identify Then Solve** *First, predict if there will be a remainder (Yes/No), then solve!*

Problem	Will there be a remainder?	Answer
81. 27 ÷ 4	Yes / No	_____ R _____
82. 32 ÷ 8	Yes / No	_____ R _____
83. 39 ÷ 5	Yes / No	_____ R _____
84. 45 ÷ 9	Yes / No	_____ R _____
85. 50 ÷ 7	Yes / No	_____ R _____
86. 54 ÷ 9	Yes / No	_____ R _____
87. 58 ÷ 8	Yes / No	_____ R _____
88. 64 ÷ 8	Yes / No	_____ R _____

Problem	Will there be a remainder?	Answer
89. 70 ÷ 9	Yes / No	_____ R _____
90. 72 ÷ 9	Yes / No	_____ R _____

Section H: Super Challenge - Find the Missing Number! 🔍

🌟 **Type 10: Fill in the Blanks** *Use your division skills to find the missing numbers!*

91. _____ ÷ 4 = 6

- **Answer:** _____

92. 35 ÷ _____ = 7

- **Answer:** _____

93. _____ ÷ 5 = 8

- **Answer:** _____

94. 42 ÷ _____ = 6

- **Answer:** _____

95. _____ ÷ 3 = 9

- **Answer:** _____

96. 48 ÷ _____ = 8

- **Answer:** _____

97. _____ ÷ 7 = 7

- **Answer:** _____

98. 56 ÷ _____ = 7

- **Answer:** _____

99. _____ ÷ 6 = 9

- **Answer:** _____

100. 63 ÷ _____ = 9

- **Answer:** _____

🎉 **Bonus Challenge! Mental Maths**

B1. If you have 100 candies and want to share them equally with 9 friends (including yourself), how many candies does each person get? How many are left over?

Answer: _____ candies each, _____ left over

B2. A bookshelf has 5 shelves. You have 47 books to arrange equally. How many books go on each shelf? How many books are left?

Answer: _____ books per shelf, _____ left over

ANSWER KEY

Section A: Division WITHOUT Remainder (1-10)

Problem	Answer	Explanation
1. 12 ÷ 3	**4**	3 × 4 = 12
2. 20 ÷ 4	**5**	4 × 5 = 20
3. 18 ÷ 2	**9**	2 × 9 = 18
4. 25 ÷ 5	**5**	5 × 5 = 25
5. 16 ÷ 4	**4**	4 × 4 = 16
6. 30 ÷ 5	**6**	5 × 6 = 30
7. 21 ÷ 3	**7**	3 × 7 = 21
8. 24 ÷ 6	**4**	6 × 4 = 24
9. 28 ÷ 4	**7**	4 × 7 = 28
10. 35 ÷ 5	**7**	5 × 7 = 35

Section B: Division WITH Remainder (11-20)

Problem	Answer	Check
11. 13 ÷ 3	**4 R 1**	3 × 4 = 12, + 1 = 13 ✓
12. 17 ÷ 4	**4 R 1**	4 × 4 = 16, + 1 = 17 ✓
13. 19 ÷ 2	**9 R 1**	2 × 9 = 18, + 1 = 19 ✓
14. 23 ÷ 5	**4 R 3**	5 × 4 = 20, + 3 = 23 ✓
15. 14 ÷ 4	**3 R 2**	4 × 3 = 12, + 2 = 14 ✓

Problem	Answer	Check
16. 22 ÷ 5	**4 R 2**	5 × 4 = 20, + 2 = 22 ✓
17. 26 ÷ 3	**8 R 2**	3 × 8 = 24, + 2 = 26 ✓
18. 29 ÷ 6	**4 R 5**	6 × 4 = 24, + 5 = 29 ✓
19. 31 ÷ 4	**7 R 3**	4 × 7 = 28, + 3 = 31 ✓
20. 27 ÷ 5	**5 R 2**	5 × 5 = 25, + 2 = 27 ✓

Section C: Larger Numbers WITHOUT Remainder (21-30)

Problem	Answer	Explanation
21. 36 ÷ 6	**6**	6 × 6 = 36
22. 40 ÷ 5	**8**	5 × 8 = 40
23. 32 ÷ 4	**8**	4 × 8 = 32
24. 42 ÷ 6	**7**	6 × 7 = 42
25. 45 ÷ 5	**9**	5 × 9 = 45
26. 48 ÷ 6	**8**	6 × 8 = 48
27. 54 ÷ 6	**9**	6 × 9 = 54
28. 49 ÷ 7	**7**	7 × 7 = 49
29. 56 ÷ 7	**8**	7 × 8 = 56
30. 63 ÷ 7	**9**	7 × 9 = 63

Section D: Larger Numbers WITH Remainder (31-40)

Problem	Answer	Check
31. 38 ÷ 6	**6 R 2**	6 × 6 = 36, + 2 = 38 ✓
32. 43 ÷ 5	**8 R 3**	5 × 8 = 40, + 3 = 43 ✓
33. 37 ÷ 4	**9 R 1**	4 × 9 = 36, + 1 = 37 ✓
34. 41 ÷ 6	**6 R 5**	6 × 6 = 36, + 5 = 41 ✓
35. 47 ÷ 5	**9 R 2**	5 × 9 = 45, + 2 = 47 ✓
36. 50 ÷ 6	**8 R 2**	6 × 8 = 48, + 2 = 50 ✓
37. 53 ÷ 7	**7 R 4**	7 × 7 = 49, + 4 = 53 ✓
38. 58 ÷ 7	**8 R 2**	7 × 8 = 56, + 2 = 58 ✓
39. 59 ÷ 6	**9 R 5**	6 × 9 = 54, + 5 = 59 ✓
40. 65 ÷ 7	**9 R 2**	7 × 9 = 63, + 2 = 65 ✓

Section E: Division by 2 (41-50)

Problem	Answer	Note
41. 14 ÷ 2	**7 R 0**	Even number - no remainder
42. 17 ÷ 2	**8 R 1**	Odd number - remainder 1
43. 22 ÷ 2	**11 R 0**	Even number - no remainder
44. 25 ÷ 2	**12 R 1**	Odd number - remainder 1
45. 30 ÷ 2	**15 R 0**	Even number - no remainder
46. 33 ÷ 2	**16 R 1**	Odd number - remainder 1

Problem	Answer	Note
47. 38 ÷ 2	**19 R 0**	Even number - no remainder
48. 44 ÷ 2	**22 R 0**	Even number - no remainder
49. 51 ÷ 2	**25 R 1**	Odd number - remainder 1
50. 60 ÷ 2	**30 R 0**	Even number - no remainder

Section E: Division by 3 (51-60)

Problem	Answer	Check
51. 15 ÷ 3	**5 R 0**	3 × 5 = 15 ✓
52. 20 ÷ 3	**6 R 2**	3 × 6 = 18, + 2 = 20 ✓
53. 24 ÷ 3	**8 R 0**	3 × 8 = 24 ✓
54. 28 ÷ 3	**9 R 1**	3 × 9 = 27, + 1 = 28 ✓
55. 33 ÷ 3	**11 R 0**	3 × 11 = 33 ✓
56. 38 ÷ 3	**12 R 2**	3 × 12 = 36, + 2 = 38 ✓
57. 42 ÷ 3	**14 R 0**	3 × 14 = 42 ✓
58. 47 ÷ 3	**15 R 2**	3 × 15 = 45, + 2 = 47 ✓
59. 54 ÷ 3	**18 R 0**	3 × 18 = 54 ✓
60. 61 ÷ 3	**20 R 1**	3 × 20 = 60, + 1 = 61 ✓

Section F: Word Problems WITHOUT Remainder (61-70)

Problem	Answer	Division
61. Crayons in boxes	**4 crayons**	24 ÷ 6 = 4
62. Cookies per box	**6 cookies**	30 ÷ 5 = 6
63. Students per group	**7 students**	28 ÷ 4 = 7
64. Egg cartons	**6 cartons**	36 ÷ 6 = 6
65. Flowers per bouquet	**8 flowers**	40 ÷ 5 = 8
66. Pencils per classroom	**8 pencils**	48 ÷ 6 = 8
67. Cars per shelf	**7 cars**	35 ÷ 5 = 7
68. Marbles per friend	**6 marbles**	42 ÷ 7 = 6
69. Chairs per row	**8 chairs**	56 ÷ 7 = 8
70. Books per shelf	**9 books**	63 ÷ 7 = 9

Section F: Word Problems WITH Remainder (71-80)

Problem	Answer	Division
71. Stickers	**6 each, 1 left**	25 ÷ 4 = 6 R 1
72. Pencils	**4 each, 5 left**	29 ÷ 6 = 4 R 5
73. Apple bags	**6 bags, 4 left**	34 ÷ 5 = 6 R 4
74. Cookie boxes	**6 boxes, 1 left**	37 ÷ 6 = 6 R 1
75. Bird cages	**5 cages, 6 left**	41 ÷ 7 = 5 R 6
76. Candies	**9 each, 1 left**	46 ÷ 5 = 9 R 1

Problem	Answer	Division
77. Carrot bundles	**8 bundles, 4 left**	52 ÷ 6 = 8 R 4
78. Balloons	**7 per table, 6 left**	55 ÷ 7 = 7 R 6
79. Toy boxes	**7 boxes, 6 left**	62 ÷ 8 = 7 R 6
80. School buses	**7 buses, 4 left**	67 ÷ 9 = 7 R 4

Section G: Identify Then Solve (81-90)

Problem	Remainder?	Answer	Explanation
81. 27 ÷ 4	**YES**	**6 R 3**	4 × 6 = 24, + 3 = 27
82. 32 ÷ 8	**NO**	**4 R 0**	8 × 4 = 32 exactly
83. 39 ÷ 5	**YES**	**7 R 4**	5 × 7 = 35, + 4 = 39
84. 45 ÷ 9	**NO**	**5 R 0**	9 × 5 = 45 exactly
85. 50 ÷ 7	**YES**	**7 R 1**	7 × 7 = 49, + 1 = 50
86. 54 ÷ 9	**NO**	**6 R 0**	9 × 6 = 54 exactly
87. 58 ÷ 8	**YES**	**7 R 2**	8 × 7 = 56, + 2 = 58
88. 64 ÷ 8	**NO**	**8 R 0**	8 × 8 = 64 exactly
89. 70 ÷ 9	**YES**	**7 R 7**	9 × 7 = 63, + 7 = 70
90. 72 ÷ 9	**NO**	**8 R 0**	9 × 8 = 72 exactly

Section H: Find the Missing Number (91-100)

Problem	Answer	Explanation
91. ___ ÷ 4 = 6	**24**	4 × 6 = 24
92. 35 ÷ ___ = 7	**5**	35 ÷ 5 = 7
93. ___ ÷ 5 = 8	**40**	5 × 8 = 40
94. 42 ÷ ___ = 6	**7**	42 ÷ 7 = 6
95. ___ ÷ 3 = 9	**27**	3 × 9 = 27
96. 48 ÷ ___ = 8	**6**	48 ÷ 6 = 8
97. ___ ÷ 7 = 7	**49**	7 × 7 = 49
98. 56 ÷ ___ = 7	**8**	56 ÷ 8 = 7
99. ___ ÷ 6 = 9	**54**	6 × 9 = 54
100. 63 ÷ ___ = 9	**7**	63 ÷ 7 = 9

🎉 **Bonus Challenge Answers**

B1. Sharing 100 candies among 10 people

Answer: 10 candies each, 0 left over

Division: 100 ÷ 10 = 10 R 0

Explanation: 10 × 10 = 100 exactly. Perfect division - everyone gets exactly 10 candies with none left over!

B2. Arranging 47 books on 5 shelves

Answer: 9 books per shelf, 2 left over

Division: 47 ÷ 5 = 9 R 2

Explanation: 5 × 9 = 45, plus 2 remaining = 47 ✓

Each shelf gets 9 books, and 2 books don't fit equally on the shelves.
