

---

# Contents

Foreword .....	6
----------------	---

## Chapter 1: Addition and Subtraction

Skills Review 1 .....	7
Skills Review 2 .....	8
Skills Review 3 .....	9
Skills Review 4 .....	10
Skills Review 5 .....	11
Skills Review 6 .....	12
Skills Review 7 .....	13
Skills Review 8 .....	14
Skills Review 9 .....	15
Skills Review 10 .....	16

## Chapter 2: Regrouping and Rounding

Skills Review 11 .....	17
Skills Review 12 .....	18
Skills Review 13 .....	19
Skills Review 14 .....	20
Skills Review 15 .....	21
Skills Review 16 .....	22
Skills Review 17 .....	23
Skills Review 18 .....	24
Skills Review 19 .....	25

## Chapter 3: Multiplication Concept

Skills Review 20 .....	26
Skills Review 21 .....	27
Skills Review 22 .....	28
Skills Review 23 .....	29
Skills Review 24 .....	30
Skills Review 25 .....	31
Skills Review 26 .....	32
Skills Review 27 .....	33
Skills Review 28 .....	34

## Chapter 4: Multiplication Tables

Skills Review 29 .....	35
Skills Review 30 .....	36
Skills Review 31 .....	37
Skills Review 32 .....	38
Skills Review 33 .....	39
Skills Review 34 .....	40
Skills Review 35 .....	41
Skills Review 36 .....	42
Skills Review 37 .....	43
Skills Review 38 .....	44
Skills Review 39 .....	45

## Chapter 5: Telling Time

Skills Review 40 .....	46
Skills Review 41 .....	47
Skills Review 42 .....	48
Skills Review 43 .....	49
Skills Review 44 .....	50
Skills Review 45 .....	51
Skills Review 46 .....	52
Skills Review 47 .....	53

## Chapter 6: Money

Skills Review 48 .....	54
Skills Review 49 .....	55
Skills Review 50 .....	56
Skills Review 51 .....	57
Skills Review 52 .....	58

## Chapter 7: Four-Digit Numbers

Skills Review 53 .....	59
Skills Review 54 .....	60
Skills Review 55 .....	61
Skills Review 56 .....	62
Skills Review 57 .....	63
Skills Review 58 .....	64
Skills Review 59 .....	65

## Chapter 8: Division

Skills Review 60 .....	66
Skills Review 61 .....	67
Skills Review 62 .....	68
Skills Review 63 .....	69
Skills Review 64 .....	70
Skills Review 65 .....	71
Skills Review 66 .....	72
Skills Review 67 .....	73
Skills Review 68 .....	74

## Chapter 9: Measuring

Skills Review 69 .....	75
Skills Review 70 .....	76
Skills Review 71 .....	77
Skills Review 72 .....	78
Skills Review 73 .....	79
Skills Review 74 .....	80

## Chapter 10: Geometry

Skills Review 75 .....	81
Skills Review 76 .....	82
Skills Review 77 .....	83
Skills Review 78 .....	84
Skills Review 79 .....	85
Skills Review 80 .....	86
Skills Review 81 .....	87
Skills Review 82 .....	88
Skills Review 83 .....	89
Skills Review 84 .....	90

## Chapter 11: Fractions

Skills Review 85 .....	91
Skills Review 86 .....	92
Skills Review 87 .....	93
Skills Review 88 .....	94
Skills Review 89 .....	95
Skills Review 90 .....	96

---

# Foreword

*Math Mammoth Grade 3 Skills Review Workbook* has been created to complement the lessons in *Math Mammoth Grade 3* curriculum (2024 edition). It gives the students practice in reviewing what they have already studied, so the concepts and skills will become more established in their memory.

These review worksheets are designed to provide a spiral review of the concepts in the curriculum. This means that after a concept or skill has been studied in the main curriculum, it is then reviewed repeatedly over time in several different worksheets of this book.

This book is divided into chapters, according to the corresponding chapters in the *Math Mammoth Grade 3* curriculum. You can choose exactly when to use the worksheets within the chapter, and how many of them to use. Not all students need all of these worksheets to help them keep their math skills fresh, so please vary the amount of worksheets you assign your student(s) according to their needs.

Each worksheet is designed to be one page, and includes a variety of exercises in a fun way without becoming too long and tedious. We have created a spreadsheet document that lists the lessons spiraled in each worksheet. This document is included with the digital (download) version. You can also download it at the following link:

[https://www.mathmammoth.com/skills\\_review\\_workbooks/guides/Grade3\\_2024ed\\_Spiraling\\_Guide.xls](https://www.mathmammoth.com/skills_review_workbooks/guides/Grade3_2024ed_Spiraling_Guide.xls)

The printed answer key can be purchased separately or in the digital download version it is included in the zip file.

*I wish you success in teaching math!*

*Maria Miller, the author*

# Skills Review 1

1. Solve the addition and subtraction problems. Then color according to the directions.

$14 + 9 = \underline{\hspace{2cm}}$	$23 + 8 = \underline{\hspace{2cm}}$	$43 - 8 = \underline{\hspace{2cm}}$	$17 + 19 = \underline{\hspace{2cm}}$
$27 + 6 = \underline{\hspace{2cm}}$	$39 - 7 = \underline{\hspace{2cm}}$	$58 - 6 = \underline{\hspace{2cm}}$	$8 + 9 = \underline{\hspace{2cm}}$
$7 + 6 = \underline{\hspace{2cm}}$	$22 - 4 = \underline{\hspace{2cm}}$	$49 + 6 = \underline{\hspace{2cm}}$	$18 + 34 = \underline{\hspace{2cm}}$

- Color yellow all of the problems you can use the 9-trick to solve.
- Color green all of the problems you can use the 8-trick to solve.
- Color pink all of the problems you can use double plus 1 to solve.
- Color purple all of the rest of the problems.

2. First add or subtract mentally, and then color.



- $13 - 9 =$  blue  
 $27 + 5 =$  yellow  
 $32 - 4 =$  pink  
 $14 + 9 =$  gray  
 $50 - 6 =$  orange  
 $48 + 7 =$  red  
 $16 - 8 =$  green  
 $25 + 6 =$  brown

3. Write an addition or a subtraction for each problem.

- a. Damian put 25 baby chicks in a box. Seven of them jumped out and ran back to the chicken coop. How many are still in the box?

\_\_\_\_\_

There are \_\_\_\_\_ still in the box.

- b. Clarice bought a hat for \$7 and a blouse for \$15, and now she has \$23 left. How much money did she have originally?

\_\_\_\_\_

She had \_\_\_\_\_ originally.

# Skills Review 2

1. Subtract in parts.

a.  $45 - 8$

$45 - \underline{\quad} - \underline{\quad}$

$= \underline{\quad}$

b.  $73 - 7 =$

c.  $88 - 27 =$

2. Complete the puzzle.

22	−		=	16
+				
	−		=	61
=		+		−
92				
		=		=
	+	24	=	54

3. Subtract mentally.

a.  $281 - 9$

b.  $173 - 4$

c.  $520 - 6$

d.  $352 - 7$

4. Find the easiest order to add!

a.  $6 + 30 + 20 + 3$

$= \underline{\quad}$

b.  $40 + 5 + 50 + 2$

$= \underline{\quad}$

c.  $50 + 1 + 8 + 70$

$= \underline{\quad}$

5. Write an addition or a subtraction for the problem to show your work, not just the answer.

A factory has 154 employees. Sixty of them are men. How many employees are women?

\_\_\_\_\_

The factory has \_\_\_\_\_ employees that are women.

# Skills Review 3

1. Add. Think of the easier problem (with single digits) in your mind.

a.  $38 + 4 = \underline{\hspace{2cm}}$

b.  $56 + 5 = \underline{\hspace{2cm}}$

c.  $42 + 9 = \underline{\hspace{2cm}}$

d.  $67 + 7 = \underline{\hspace{2cm}}$

e.  $79 + 6 = \underline{\hspace{2cm}}$

f.  $24 + 7 = \underline{\hspace{2cm}}$

2. Add 50 each time (repeatedly).

$\underline{430}$
$\underline{480}$
$\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}}$

3. Subtract and continue the pattern.

$210 - 2 = \underline{\hspace{2cm}}$
$215 - 4 = \underline{\hspace{2cm}}$
$220 - 6 = \underline{\hspace{2cm}}$
$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

4. Add up to find the differences, or use some other strategy.

a. $62 - 31 = \underline{\hspace{2cm}}$	b. $64 - 17 = \underline{\hspace{2cm}}$	c. $48 - 19 = \underline{\hspace{2cm}}$
d. $87 - 58 = \underline{\hspace{2cm}}$	e. $93 - 26 = \underline{\hspace{2cm}}$	f. $85 - 28 = \underline{\hspace{2cm}}$

5. Add or subtract in your head.

a. $744 + 50 = \underline{\hspace{2cm}}$	b. $577 - 30 = \underline{\hspace{2cm}}$	c. $968 + 20 = \underline{\hspace{2cm}}$
---	---	---

# Skills Review 4

1. For each problem, write an **equation with  $x$** . Then find the value of  $x$ .

- a. Liam is trying to collect 32 toy cars.  
He only has 19. How many more  
does he need?

\_\_\_\_\_

$x =$  \_\_\_\_\_

- b. Lily has washed 34 dishes.  
There are 50 dishes in total.  
How many dishes are left to wash?

\_\_\_\_\_

$x =$  \_\_\_\_\_

2. A challenge!



- 40



- 8



- 6



- 30



- 9



- 10



250

\_\_\_\_\_

3. Subtract in your head.

a.  $17 - 9 =$  \_\_\_\_\_

b.  $66 - 7 =$  \_\_\_\_\_

c.  $43 - 8 =$  \_\_\_\_\_

4. Write  $<$ ,  $>$  or  $=$ .

a.  $370 + 25$    $400 - 5$

b.  $630 + 54$    $790 - 7$

c.  $948 - 30$    $910 + 20$

d.  $68 + 4$    $80 - 9$

5. Solve the problems. Write an equation for each question, not just the answer.

Jasmine sold 23 tickets for a school play, Nathan sold 12, and Brad sold 8.

- a. How many more tickets did Jasmine  
sell than Brad?

\_\_\_\_\_

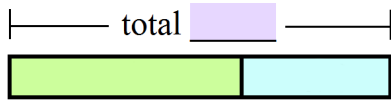
- b. How many tickets did the three  
children sell in total?

\_\_\_\_\_

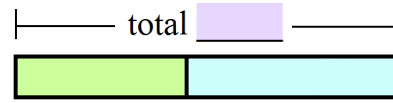


# Skills Review 5

1. Find the missing number in the equation, and write the parts into the bar model.



a.  $76 - \underline{\hspace{2cm}} = 27$



b.  $93 - 55 = \underline{\hspace{2cm}}$

2. Solve what number goes in place of the triangle. Use mental math.

a.  $\triangle - 12 = 29$

$\triangle = \underline{\hspace{2cm}}$

b.  $760 - \triangle = 743$

$\triangle = \underline{\hspace{2cm}}$

c.  $349 - \triangle = 310$

$\triangle = \underline{\hspace{2cm}}$

3. Add 5 to each number on the bottom. Notice the pattern!

10	12	14	16	18	20	22	24	26	28	30

4. Match the correct equation(s) with the problem.

Gwen bought a laptop for \$435 and Jeff bought one for \$9 less. How much did Jeff pay for his laptop?

$9 + p = 435$

$435 + 9 = p$

$p - 9 = 435$

$435 - 9 = p$

5. Solve the word problem. Write an equation that has a letter for the unknown.

Bianca, Craig, and Ethan played a board game. Bianca got 95 points and Ethan got 60. Craig had 137, but then he lost 60 points when he landed on a penalty square. How many points did the children get in total?

Equation:  $\underline{\hspace{4cm}}$

Solution:  $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$  The children got  $\underline{\hspace{2cm}}$  points in total.

# Skills Review 6

1. Solve. Show your work.

**a.** Meghan has 28 bags of popcorn. She wants to give one bag to each of the 52 guests at her party. How many more bags of popcorn does she need to make?

**b.** James wants to buy his mom a new blender for her birthday. It costs \$139. James has \$105, but he needs to pay his brother \$20 first.

How much more money does he need to buy the blender?

2. Write an equation with a letter for the unknown and solve.

Elaine plans to travel 52 km to a park. Then she will drive to a lake to go out in a canoe. From there she travels 63 km back home. If her total trip was 140 km, how far was it from the park to the lake?

Equation: \_\_\_\_\_

Solution: \_\_\_\_\_ = \_\_\_\_\_

It was \_\_\_\_\_ km from the park to the lake.

3. Add.

**a.**  $146 + 7 = \underline{\hspace{2cm}}$

**b.**  $398 + 9 = \underline{\hspace{2cm}}$

**c.**  $754 + 6 = \underline{\hspace{2cm}}$

**d.**  $467 + 30 = \underline{\hspace{2cm}}$

**e.**  $529 + 60 = \underline{\hspace{2cm}}$

4. Join the problems with the correct answers.

**a.**

$74 - 9$

$63 - 7$

$36 - 8$

$85 - 6$

28

65

56

79

67

37

87

46

$42 - 5$

$54 - 8$

$76 - 9$

$93 - 6$

**b.**

$71 - 5$

$64 - 6$

$72 - 7$

$68 - 9$

66

58

65

59

65

57

58

79

$73 - 8$

$67 - 9$

$61 - 4$

$86 - 7$

# Skills Review 7

1. Find patterns in this addition table and use them to fill it in.

+	24	27	30	33	36
20					
24					
28					
32					

2. Write an addition or a subtraction for each problem. Use  $x$  for the unknown thing.

a. There were 24 cows in a pasture. Then, 16 cows escaped through a hole in the fence. How many cows were left in the pasture?

\_\_\_\_\_

\_\_\_\_\_

b. Melissa baked 35 cookies and Jenna baked some, too. The girls ate four cookies and now there are 59 left. How many cookies did Jenna bake?

\_\_\_\_\_

\_\_\_\_\_

3. Add in the easiest order.

a.  $30 + 42 + 3 + 5$

$=$  \_\_\_\_\_

b.  $20 + 35 + 7 + 4$

$=$  \_\_\_\_\_

c.  $74 + 5 + 50 + 2$

$=$  \_\_\_\_\_

4. Subtract mentally. Notice how the answer changes.

a.  $72 - 35 =$  \_\_\_\_\_

$72 - 36 =$  \_\_\_\_\_

$72 - 37 =$  \_\_\_\_\_

b.  $56 - 29 =$  \_\_\_\_\_

$55 - 29 =$  \_\_\_\_\_

$54 - 29 =$  \_\_\_\_\_

c.  $64 - 44 =$  \_\_\_\_\_

$64 - 45 =$  \_\_\_\_\_

$64 - 46 =$  \_\_\_\_\_

## Puzzle Corner

Place the digits 4, 5, 6, 8, and 9 into the boxes so that the equations become true.

a.  $\square \square + \square \square + \square = 131$

b.  $\square \square + \square \square + \square = 113$

# Skills Review 8

1. Write a subtraction that matches each addition, so the numbers in the boxes are the same.

<p>a. <math>153 + \boxed{\phantom{000}} = 181</math></p> <p><math>\boxed{\phantom{000}} - \boxed{\phant{000}} = \boxed{\phant{000}}</math></p>	<p>b. <math>94 + \boxed{\phantom{000}} = 140</math></p> <p><math>\boxed{\phant{000}} - \boxed{\phant{000}} = \boxed{\phant{000}}</math></p>
--	---

2. Add or subtract.

a. $352 + 50 = \underline{\hspace{2cm}}$	b. $548 + 40 = \underline{\hspace{2cm}}$	c. $779 - 30 = \underline{\hspace{2cm}}$
d. $488 + 30 = \underline{\hspace{2cm}}$	e. $658 - 60 = \underline{\hspace{2cm}}$	f. $237 - 9 = \underline{\hspace{2cm}}$

3. Paul caught 15 fish and Randy caught 17.

- a. They shared them equally. How many fish did each boy get?
- b. The boys met Mrs. Hill on their way home and they gave her half of the total number of fish.  
How many fish does each boy have now?

4. Solve what number goes in place of the triangle.

<p>a. <math>\triangle + 42 = 60</math></p> <p><math>\triangle = \underline{\hspace{2cm}}</math></p>	<p>b. <math>345 - \triangle = 339</math></p> <p><math>\triangle = \underline{\hspace{2cm}}</math></p>	<p>c. <math>83 + \triangle = 92</math></p> <p><math>\triangle = \underline{\hspace{2cm}}</math></p>
---	---	---

5. Solve the problem. Write an equation (or several) with a letter for the unknown.

Jeff had 76 golf balls and Rory had 48. Then Jeff lost 15 of his.  
How many more golf balls does Jeff have now than Rory?

Equation:  $\underline{\hspace{4cm}}$

Solution:  $\underline{\hspace{1cm}} = \underline{\hspace{1cm}}$  Jeff has  $\underline{\hspace{1cm}}$  more golf balls than Rory.

# Skills Review 9

1. For each problem, write two addition and two subtraction equations, and fill in the parts in the model.

<div style="text-align: center; margin-bottom: 10px;"> </div> <p><b>a.</b> _____ + _____ = _____</p> <p>_____ + _____ = _____</p> <p>_____ - 100 = 170</p> <p>_____ - _____ = _____</p>	<div style="text-align: center; margin-bottom: 10px;"> </div> <p><b>b.</b> 54 + _____ = 88</p> <p>_____ + _____ = _____</p> <p>_____ - _____ = _____</p> <p>_____ - _____ = _____</p>
---	---

2. Find the pattern in each list of numbers and continue it for five more numbers.

**a.** 43, 50, 57, 64,

**b.** 76, 71, 66, 61,

**c.** 8, 11, 17, 26, 38,

3. Match the correct additions and/or subtractions with the problem and solve.

Jacob has 100 cows. Some of them are brown and 53 are black and white. How many are brown?	$100 + b = 53$	$53 + b = 100$
	$100 - 53 = b$	$100 + 53 = b$

4. Add mentally, in parts.

<b>a.</b> $39 + 53 =$ _____	<b>b.</b> $68 + 25 =$ _____	<b>c.</b> $74 + 36 =$ _____
-----------------------------	-----------------------------	-----------------------------

5. Write an equation with a letter for the unknown, and solve.

Calvin had \$80. He worked and earned another \$50. Then he bought a bike for \$120. How much money does he have now?

Equation: \_\_\_\_\_

Sample worksheet from

<https://www.mathmammoth.com>

Solution:

Calvin has \$ \_\_\_\_\_ now.