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2024 EDITION

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Sample worksheet from
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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

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.

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

- 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.



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

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.

<p>a. $45 - 8$</p> <p>$45 - \underline{\quad} - \underline{\quad}$</p> <p>$= \underline{\quad}$</p>	<p>b. $73 - 7 =$</p>	<p>c. $88 - 27 =$</p>
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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. $968 + 20 = \underline{\hspace{2cm}}$
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Skills Review 4

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

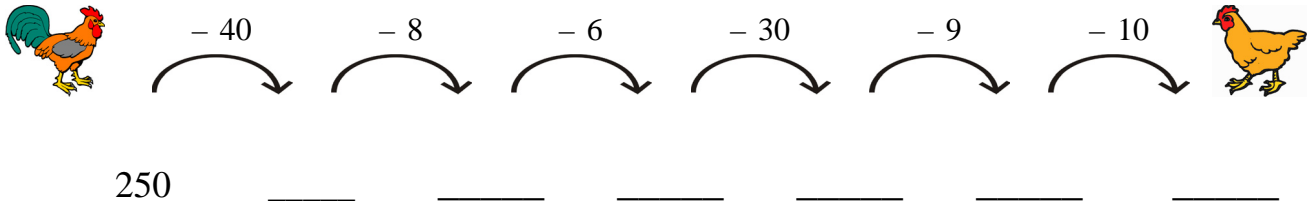
a. Liam is trying to collect 32 toy cars.
He only has 19. How many more
does he need?

$x =$ _____

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

$x =$ _____

2. A challenge!



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.

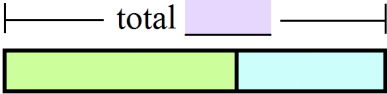
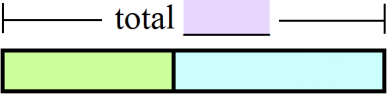
Jasmine sold 23 tickets for a school play, Nathan sold 12, and Brad sold 8.

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.

 <p>a. $76 - \underline{\hspace{2cm}} = 27$</p>	 <p>b. $93 - 55 = \underline{\hspace{2cm}}$</p>
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2. Solve what number goes in place of the triangle. Use mental math.

<p>a.  $- 12 = 29$</p> <p> $= \underline{\hspace{2cm}}$</p>	<p>b. $760 - \img alt="yellow triangle" data-bbox="460 325 500 355"/> = 743$</p> <p> $= \underline{\hspace{2cm}}$</p>	<p>c. $349 - \img alt="blue triangle" data-bbox="730 325 770 355"/> = 310$</p> <p> $= \underline{\hspace{2cm}}$</p>
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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.

<p>Gwen bought a laptop for \$435 and Jeff bought one for \$9 less. How much did Jeff pay for his laptop?</p>	<div style="background-color: #fce4ec; border-radius: 10px; padding: 5px; display: inline-block;">$9 + p = 435$</div>	<div style="background-color: #fce4ec; border-radius: 10px; padding: 5px; display: inline-block;">$435 + 9 = p$</div>
	<div style="background-color: #fce4ec; border-radius: 10px; padding: 5px; display: inline-block;">$p - 9 = 435$</div>	<div style="background-color: #fce4ec; border-radius: 10px; padding: 5px; display: inline-block;">$435 - 9 = p$</div>

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: _____

Solution: _____ = _____ The children got _____ 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. $153 + \boxed{} = 181$</p> <p>$\underline{} - \underline{} = \boxed{}$</p>	<p>b. $94 + \boxed{} = 140$</p> <p>$\underline{} - \underline{} = \boxed{}$</p>
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2. Add or subtract.

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

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. $\triangle + 42 = 60$</p> <p>$\triangle = \underline{}$</p>	<p>b. $345 - \triangle = 339$</p> <p>$\triangle = \underline{}$</p>	<p>c. $83 + \triangle = 92$</p> <p>$\triangle = \underline{}$</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: _____

Solution: _____ = _____ Jeff has _____ 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;"> </div> <p>a. _____ + _____ = _____</p> <p>_____ + _____ = _____</p> <p>_____ - 100 = 170</p> <p>_____ - _____ = _____</p>	<div style="text-align: center;"> </div> <p>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.

a. $39 + 53 =$ _____	b. $68 + 25 =$ _____	c. $74 + 36 =$ _____
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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: _____

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Solution: Calvin has \$ _____ now.