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Foreword

Math Mammoth Grade 3 Skills Review Workbook has been created to complement the lessons in *Math Mammoth Grade 3* complete curriculum. 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.

Some exercises are marked as optional. This means they are beyond the Common Core Standards for 3rd grade.

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.

The answer key is provided as a separate file.

I wish you success in teaching math!

Maria Miller, the author

Skills Review 1

1. Find the skip-counting pattern and complete the chart. Then color according to the directions.

5			14			23			
					50				
	68								

- Color yellow all of the even numbers in the fifth column from the right
- Color green all of the odd numbers in the ninth column from the left.
- Color pink all of the even numbers in the second column from the left.
- Color purple all of the odd numbers in the eighth column from the right.

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. Use ? for the unknown thing.

- 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?

Solution: _____

- 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?

Solution: _____

Skills Review 2

1. Write the Roman numerals using normal numbers.

a. XVIII	b. CXIV	c. XLII	d. CCLXX
-------------	------------	------------	-------------

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

Jacob has 100 cows. Some of them are brown and 53 are black and white. How many are brown?	$100 + ? = 53$ $100 - 53 = ?$	$53 + ? = 100$ $100 + 53 = ?$
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5. Write an addition or a subtraction using ? for the unknown to match the problem.

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

Skills Review 4

1. Add.

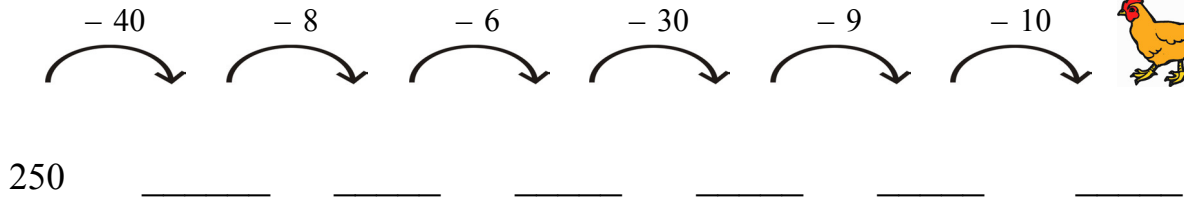
$$\begin{array}{r} \text{a.} \quad 593 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b.} \quad 278 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c.} \quad 659 \\ + 264 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d.} \quad 397 \\ + 317 \\ \hline \end{array}$$

2. A challenge!



3. Write using Roman numerals.

a. 153	b. 79	c. 56
d. 345	e. 18	f. 124

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

$$\text{a.} \quad 370 + 25 \quad \square \quad 400 - 5$$

$$\text{b.} \quad 630 + 54 \quad \square \quad 790 - 7$$

$$\text{c.} \quad 948 - 30 \quad \square \quad 910 + 20$$

$$\text{d.} \quad 68 + 4 \quad \square \quad 80 - 9$$

5. Solve the problems.

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. Subtract. You will need to regroup. Find the answers in the number queue below.

<p>a.</p> $\begin{array}{r} 671 \\ - 135 \\ \hline \end{array}$	<p>b.</p> $\begin{array}{r} 758 \\ - 462 \\ \hline \end{array}$	<p>c.</p> $\begin{array}{r} 549 \\ - 278 \\ \hline \end{array}$	<p>d.</p> $\begin{array}{r} 926 \\ - 586 \\ \hline \end{array}$
---	---	---	---

The number queue: 8 5 3 7 5 3 6 9 2 0 8 1 3 4 0 7 4 2 9 6 0 3 8 5 4 0 2 7 1 0 4 9 1

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

<p>a. - 12 = 29</p> <p> = _____</p>	<p>b. 760 - = 743</p> <p> = _____</p>	<p>c. 349 - = 310</p> <p> = _____</p>
--------------------------------------	--	--

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 additions and/or subtractions 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>	$9 + ? = 435$	$435 + 9 = ?$
	$? - 9 = 435$	$435 - 9 = ?$

5. Solve the word problem.

<p>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?</p>
--

Skills Review 6

1. On Friday, Al's Ice Cream Shop sold 18 strawberry cones, 22 chocolate cones, and 28 vanilla cones. Make a pictograph to show this! Draw one ice cream cone picture to mean **4 ice cream cones**. Draw a picture of a half ice cream cone to mean **2 ice cream cones**.

Ice Cream Cones Sold	
	chocolate
	vanilla
	strawberry

2. a n b s y r a t o e w p

Circle the fourth letter from the right.

Circle the twelfth letter from the left.

Circle the eighth letter from the right.

Circle the second letter from the left.

What word can you make with these letters?

3. Add.

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

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

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

4. Regroup twice. Then subtract.

a. Take 1 ten and regroup that with the ones.

$$\begin{array}{r} 700 + 30 + 4 \\ - 400 - 80 - 9 \\ \hline \end{array}$$

→

Next, take 1 hundred and regroup that with the tens.

$$\begin{array}{r} 700 + 20 + \color{yellow}\square \\ - 400 - 80 - 9 \\ \hline \end{array}$$

→

Now you can subtract.

$$\begin{array}{r} 600 + \color{yellow}\square + \color{yellow}\square \\ - 400 - 80 - 9 \\ \hline \end{array}$$

b. Take 1 ten and regroup that with the ones.

$$\begin{array}{r} 500 + 20 + 2 \\ - 200 - 30 - 9 \\ \hline \end{array}$$

→

Next, take 1 hundred and regroup that with the tens.

$$\begin{array}{r} 500 + 10 + \color{yellow}\square \\ - 200 - 30 - 9 \\ \hline \end{array}$$

→

Now you can subtract.

$$\begin{array}{r} 400 + \color{yellow}\square + \color{yellow}\square \\ - 200 - 30 - 9 \\ \hline \end{array}$$

Skills Review 7

1. Match.

XIV	93
XXXVIII	253
CCLIII	14
CXXIV	38
XCIII	47
XLVII	124

2. Write an addition or a subtraction for each problem. Use ? 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?

Solution: _____

b. Melissa baked 35 cookies. Then, Jenna baked some more cookies and now, there are 59 cookies in total. How many cookies did Jenna bake?

Solution: _____

3. Skip-count by fives.

432	437			

Puzzle Corner

Find single-digit numbers in place of the shapes so that the additions are true. Note that the same symbol means the same number in both places.

$$\begin{array}{r}
 4 \quad \text{○} \quad \text{□} \\
 + 4 \quad 3 \quad \text{○} \\
 \hline
 9 \quad 2 \quad 4
 \end{array}$$

$$\begin{array}{r}
 5 \quad \text{□} \quad \text{△} \\
 + \text{△} \quad 3 \quad 8 \\
 \hline
 9 \quad 0 \quad 1
 \end{array}$$

Skills Review 8

1. Subtract. Check by adding.

<p>a.</p> $\begin{array}{r} 634 \\ - 397 \\ \hline \end{array} \quad + \quad \underline{\hspace{2cm}}$	<p>b.</p> $\begin{array}{r} 812 \\ - 238 \\ \hline \end{array} \quad + \quad \underline{\hspace{2cm}}$
---	---

2. Add or subtract.

<p>a. $352 + 50 = \underline{\hspace{2cm}}$</p>	<p>b. $548 + 40 = \underline{\hspace{2cm}}$</p>	<p>c. $779 - 30 = \underline{\hspace{2cm}}$</p>
---	---	---

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

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

4. Solve the word problems.

<p>a. Richard drove 125 miles to Grandma's house and Jeremy drove 109 miles. How many miles in total did they drive round-trip?</p>	
<p>b. Paul caught 15 fish and Randy caught 17. They shared them equally. How many fish did each boy get?</p> <p>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?</p>	