

math

# MAMMOTH

## Math Mammoth Grade 3 Review Workbook

**A**ddition and subtraction

**M**ultiplication concept and tables

**C**lock

**M**oney

**P**lace value with  
thousands

**G**eometry

**M**easuring

**D**ivision

**F**ractions



By Maria Miller

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# Math Mammoth Grade 3 Review Workbook

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## Introduction

This workbook is intended to give students a thorough review of 4th grade math. It has both topical as well as mixed (spiral) review worksheets, and includes both topical tests and a comprehensive end-of-the-year test. The tests can also be used as review worksheets, instead of tests.

You can use this workbook for various purposes: for summer math practice, to keep the child from forgetting math skills during other break times, to prepare students who are going into fourth grade, or to give third grade students extra practice during the school year.

The topics reviewed in this workbook are:

- addition and subtraction
- multiplication concept and tables
- clock
- Money
- place value with thousands
- geometry
- measuring
- division
- fractions

In addition to the topical reviews and tests, the workbook also contains many cumulative (spiral) review pages.

The content for these is taken from *Math Mammoth Grade 3 Complete Curriculum*, so naturally this workbook works especially well to prepare students for grade 3 in Math Mammoth. However, the content follows a typical study for grade 3, so this workbook can be used no matter which math curriculum you follow.

Please note this book does not contain lessons or instruction for the topics. It is not intended for initial teaching. It also will not work if the student needs to completely re-study these topics (the student has not learned the topics at all). For that purpose, please consider the *Math Mammoth Grade 3 Complete Curriculum*, which has all the necessary instruction and lessons.

*I wish you success with math teaching!*

*Maria Miller, the author*

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# Multiplication Tables Test

1. Fill in the complete multiplication table!

$\times$	0	1	2	3	4	5	6	7	8	9	10	11	12
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

2. a. Which multiplication fact is both in the table of 3 and in the table of 8?

b. Which multiplication fact is both in the table of 9 and in the table of 7?

3. Solve the problems.

a. A pet store has 10 kittens for sale. Five of them cost \$9 each and the rest cost \$5 each. How much would all 10 kittens cost?

b. If one table can seat six people, how many tables do you need for 54 people who are coming to the restaurant?

c. Ann saw seven dogs, four cats, and twelve geese at the park. How many feet do the animals have in total?

d. A T-shirt costs \$6. How many shirts can you buy with \$48?

4. Find the missing factors.

<p><b>a.</b></p> $\underline{\quad} \times 6 = 24$ $\underline{\quad} \times 6 = 54$ $\underline{\quad} \times 6 = 36$	<p><b>b.</b></p> $7 \times \underline{\quad} = 77$ $7 \times \underline{\quad} = 42$ $7 \times \underline{\quad} = 14$	<p><b>c.</b></p> $5 \times \underline{\quad} = 35$ $\underline{\quad} \times 5 = 20$ $5 \times \underline{\quad} = 55$	<p><b>d.</b></p> $\underline{\quad} \times 3 = 27$ $\underline{\quad} \times 3 = 12$ $\underline{\quad} \times 3 = 36$
<p><b>e.</b></p> $\underline{\quad} \times 11 = 66$ $\underline{\quad} \times 11 = 121$ $11 \times \underline{\quad} = 22$	<p><b>f.</b></p> $\underline{\quad} \times 8 = 64$ $\underline{\quad} \times 8 = 16$ $8 \times \underline{\quad} = 32$	<p><b>g.</b></p> $\underline{\quad} \times 4 = 24$ $\underline{\quad} \times 4 = 36$ $4 \times \underline{\quad} = 16$	<p><b>h.</b></p> $\underline{\quad} \times 12 = 144$ $\underline{\quad} \times 12 = 48$ $12 \times \underline{\quad} = 84$

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# Mixed Review 4

1. Jimmy rode his bike from Brigham City to American Fork in two days, riding the same distance each day.  
How many miles did he ride each day?

American Fork	166				
Beaver City	254	88			
Brigham City	316	70	228		
Bryce Canyon	327	360	302	272	
Canyonlands Nat'l Park <small>(Ranger Station)</small>	235	120	279	167	201
Capitol Reef Nat'l Park	178	352	56	303	49
Cedar Breaks					215

2. Ben and Joe had a three-legged journey:  
 (1) They took a bus from Beaver City to Bryce Canyon.  
 (2) A friend took them from there to Capitol Reef National Park.  
 (3) Then they rode on a bus from there to Brigham City.

What was the total number of miles they traveled?


+

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3. Three parts make up one whole. Write an addition and a subtraction sentence, and solve.

<div style="text-align: center; margin-bottom: 10px;"> <table border="1" style="margin: auto;"> <tr> <td style="border: none;"> -----</td> <td style="border: none;">total</td> <td style="background-color: #FFD700; padding: 2px;">698</td> <td style="border: none;">----- </td> </tr> <tr> <td style="background-color: #90EE90; padding: 5px;">?</td> <td style="background-color: #ADD8E6; padding: 5px;">196</td> <td style="background-color: #ADD8E6; padding: 5px;">153</td> <td></td> </tr> </table> </div> <p><b>a.</b> _____ + _____ + _____ = _____</p> <p>_____ - _____ - _____ = _____</p>	-----	total	698	-----	?	196	153		
-----	total	698	-----						
?	196	153							
<div style="text-align: center; margin-bottom: 10px;"> <table border="1" style="margin: auto;"> <tr> <td style="border: none;"> -----</td> <td style="border: none;">total</td> <td style="background-color: #FFD700; padding: 2px;">450</td> <td style="border: none;">----- </td> </tr> <tr> <td style="background-color: #ADD8E6; padding: 5px;">125</td> <td style="background-color: #90EE90; padding: 5px;">250</td> <td style="background-color: #ADD8E6; padding: 5px;">?</td> <td></td> </tr> </table> </div> <p><b>b.</b> _____ + _____ + _____ = _____</p> <p>_____ - _____ - _____ = _____</p>	-----	total	450	-----	125	250	?		
-----	total	450	-----						
125	250	?							

4. Solve the problems.

- a. A math teacher bought four calculators that cost \$8 each, and ten notebooks that cost \$2 each. What is the total cost?
- b. Sheila and three other girls equally shared the cost of a taxi to the mall, which was \$12. At the mall, Sheila bought a book for \$6. How much did Sheila spend for the taxi fare plus the book?

5. Write the Roman numerals using normal numbers.

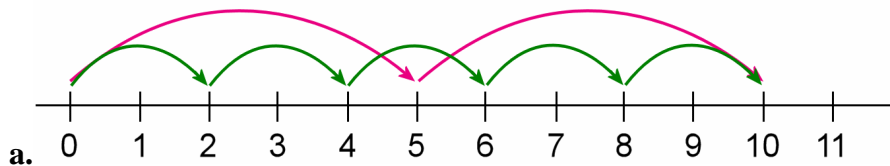
a. IX

b. CXXI

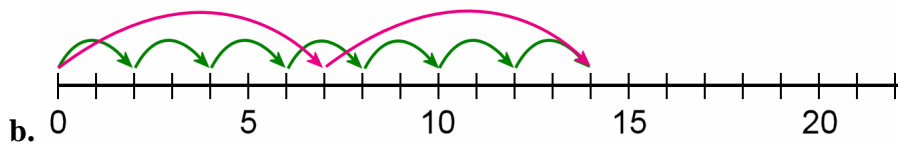
c. LXVII

d. XIV


6. Write multiplication sentences for the jumps on the number lines below.







\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_





7. Some scientists were studying giraffes in a park in Africa. The pictograph shows how many giraffes they saw at a waterhole each week. One  means 15 giraffes.

Week 25	
Week 26	
Week 27	
Week 28	





- a. How many giraffes did they see in week 27?
- b. How many more giraffes did they see in week 27 than in week 28?

# Telling Time Review

1. Write the time the clock shows. Below, write the time 10 minutes later.

				
	a. ____ : ____	b. ____ : ____	c. ____ : ____	d. ____ : ____
10 min. later				

2. How many minutes is it from the time on the clock face until the given time?

			
until 8:55	until 1:05	until 7:55	until 11:23
a. ____ minutes	b. ____ minutes	c. ____ minutes	d. ____ minutes

3. How much time passes between the two times given?

a. from 4:08 until 10:08	b. from 3 AM until 5 PM
c. from 8:23 until 8:41	d. from 3:37 until 4:17

4. The music class starts at 1:45 and ends 50 minutes later.  
At what time does it end?

5. The train left at 11:10 and arrived at 12:20 PM.  
How long was the trip?