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Sample worksheet from
www.mathmammoth.com

Introduction

Math Mammoth Grade 1 Review Workbook is intended to give students a thorough review of first grade math, following the main areas of Common Core Standards for grade 1 mathematics. The book 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 a child from forgetting math skills during other break times, to prepare students who are going into second grade, or to give first grade students extra practice during the school year.

The topics reviewed in this workbook are:

- addition within 0 - 10
- subtraction within 0 - 10
- place value within 0 - 100
- addition and subtraction facts
- clock
- shapes and measuring
- adding and subtracting within 0 - 100
- coins

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

The content for these is taken from *Math Mammoth Grade 1 Complete Curriculum*, so naturally this workbook works especially well to prepare students for grade 2 in Math Mammoth. However, the content follows a typical study for grade 1, 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 *Math Mammoth Grade 1 Complete Curriculum*, which has all the necessary instruction and lessons.

I wish you success with teaching math!

Maria Miller, the author

Sample worksheet from www.mathmammoth.com

Addition Within 0-10 Test

1. Add.

a.	b.	c.	d.	e.	f.
2 + 4 =	8 + 1 =	6 + 2 =	8 + 2 =	5 + 4 =	6 + 3 =

2. Compare. Write < , > , or = .

a. 5 ☐ 6	**c.** 6 + 1 ☐ 10	**e.** 3 ☐ 1 + 0	**g.** 8 ☐ 6 + 3
b. 2 ☐ 9	**d.** 2 + 3 ☐ 5	**f.** 10 ☐ 0 + 6	**h.** 7 ☐ 2 + 5

3. Draw more. Write an addition sentence.

☐☐☐ ☐	☐☐☐	☐☐☐ ☐☐
a. _____ + _____ = 10	**b.** _____ + _____ = 7	**c.** _____ + _____ = 10

4. Find the missing numbers.

a. 2 + _____ = 7 **b.** 1 + _____ = 4 **c.** 4 + _____ = 10 **d.** _____ + 7 = 9

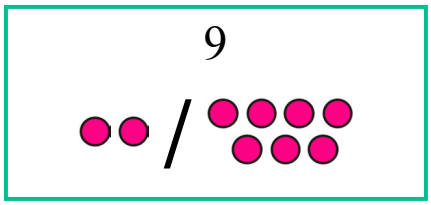
5. Solve the word problems.

a. Anna has seven stuffed animals and Abby has three. How many do they have in total?

b. Andy has eight pairs of shorts. Two of them are in the wash. How many are not?

Subtraction Within 0-10 Review

1. Write a fact family to match the picture.



_____ + _____ = _____ _____ – _____ = _____

_____ + _____ = _____ _____ – _____ = _____

2. **a.** Write a subtraction that matches the addition 6 + 4 = 10. _____ – _____ = _____

b. Write a subtraction that matches the addition 5 + ____ = 9. Also solve the addition. _____ – _____ = _____

3. **a.** There are 8 children playing in the yard. Two are girls. How many are boys?

b. Kay has four marbles. Susan has two more marbles than Kay. Draw Kay's and Susan's marbles.

c. Five sparrows and two robins are feeding on seeds. One more robin flies in. How many more sparrows than robins are there now?

4. Find the missing numbers.

a.	**b.**	**c.**	**d.**
3 + _____ = 4	6 – 3 = _____	10 – 0 = _____	8 – 2 = _____
1 + _____ = 9	8 – 5 = _____	5 – 3 = _____	7 – 3 = _____
3 + _____ = 10	7 – 6 = _____	6 – 6 = _____	10 – 1 = _____
2 + _____ = 7	10 – 8 = _____	7 – 4 = _____	9 – 2 = _____

Sample worksheet from
www.mathmammoth.com

Place Value Within 0-100 Test

1. Name the numbers (with words).

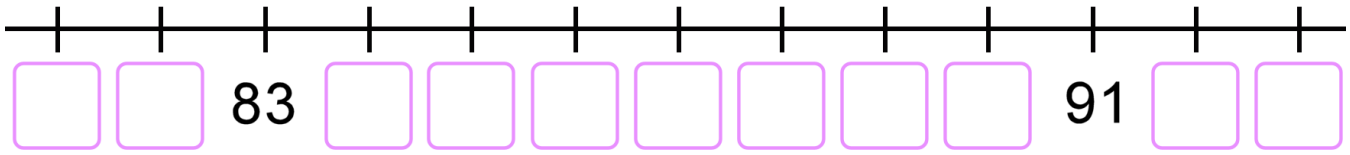
a. 1 ten 6 ones _____

c. 7 tens 8 ones _____

b. 5 tens 1 ones _____

d. 9 tens 0 ones _____

2. Fill in the missing numbers on the number line.



3. Break the numbers into tens and ones.

a. 45 = 40 + 5 86 = _____ + ____	**b.** 52 = _____ + ____ 32 = _____ + ____	**c.** 97 = _____ + ____ 19 = _____ + ____

4. Do the same the other way around! Add.

a.	**b.**	**c.**	**d.**
20 + 9 = _____	5 + 70 = _____	2 + 80 = _____	1 + 90 = _____

5. Put the numbers in order from smallest to greatest.

a. 75, 71, 57 _____ < _____ < _____	**b.** 69, 98, 96 _____ < _____ < _____	**c.** 81, 84, 49 _____ < _____ < _____

6. Compare and write <, >, or =.

a. 65 ☐ 5 + 60 **b.** 43 ☐ 60 + 4 **c.** 90 + 3 ☐ 30 + 9

Mixed Review 2

1. Break the numbers into tens and ones.

a. 22 = _____ + _____	**b.** 64 = _____ + ____	**c.** 95 = _____ + _____

2. Compare. Write < , > , or = .

a. 2 + 3 ☐ 5 + 1	**c.** 8 – 2 ☐ 4	**e.** 6 ☐ 4 + 2
b. 6 + 4 ☐ 8 + 2	**d.** 7 – 4 ☐ 5	**f.** 8 ☐ 9 – 1

3. Write the fact families.

a. 3 + 7 = _____ _____ + _____ = _____ _____ – _____ = _____ _____ – _____ = _____	**b.** 6 + _____ = 9 _____ + _____ = _____ _____ – _____ = _____ _____ – _____ = _____

4. Skip-count by tens.

a. 4, 14, _____, _____, _____, _____, _____, _____

b. _____, _____, _____, 68, 78, _____, _____, _____

5. **a.** Skip-count by fives starting at 45, and color all those numbers yellow.

b. Skip-count by twos starting at 42, and color those numbers blue.

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

Which numbers end up green?

Sample worksheet from
www.mathmammoth.com

6. Name and write the numbers.

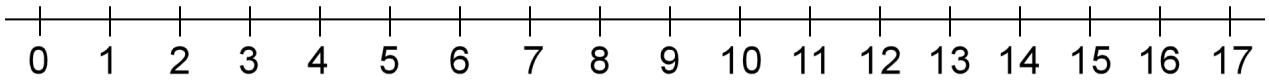
a. 1 ten 1 one _____

b. 1 ten 7 ones _____

c. 1 ten 5 ones _____

d. 1 ten 3 ones _____

7. Find the difference between the numbers. "Travel" on the number line!



From	2	11	9	14	6	12	6	10
To	10	7	9	7	6	5	12	15
Difference								

8. Write < or > or = .

a. 82 ☐ 29	**c.** 70 + 4 ☐ 7 + 40	**e.** 60 + 7 ☐ 70 + 5
b. 75 ☐ 67	**d.** 20 + 8 ☐ 2 + 80	**f.** 2 + 90 ☐ 9 + 50

9. Solve.

a. Some children needed 10 players for a game. They already had 2 boys and 2 girls. How many more children do they need for their game?

b. A herd has 10 brown horses, 20 white horses, and 10 speckled ones. How many horses are there in the herd?

How many more white horses are there than brown ones?

Mixed Review 3

1. Pick a number so the comparison is true.

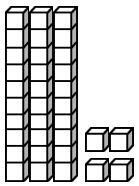
3 4 5 $2 + _____ < 6$	4 5 6 $1 + _____ > 6$	3 4 5 $4 + _____ < 8$

2. Add.

a. $0 + 4 + 2 = _____$ **b.** $7 + 1 + 1 = _____$ **c.** $2 + 5 + 3 = _____$

3. Fill in the numbers and name them.

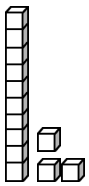
a. _____



_____ + _____

tens ones

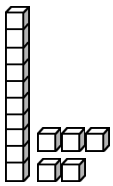
b. _____



_____ + _____

tens ones

c. _____



_____ + _____

tens ones

4. The numbers are broken into tens and ones. Fill in the missing parts.

a. $40 + _____ = 48$	**b.** $_____ + ____ = 62$	**c.** $50 + 5 = _____$

5. What number is...

a.	**b.**	**c.**
one more than 16 _____	two more than 11 _____	ten more than 12 _____
one less than 29 _____	two less than 67 _____	ten less than 30 _____
one less than 40 _____	two more than 59 _____	ten more than 87 _____

6. Count. You can also do this orally with your teacher.

96, 97, _____, _____, _____, _____, _____,

_____, _____, _____, _____, _____, _____

7. Draw tally marks for these numbers.

a. 9	**b.** 11
c. 27	**d.** 32

8. Some children counted how many stuffed animals they had.

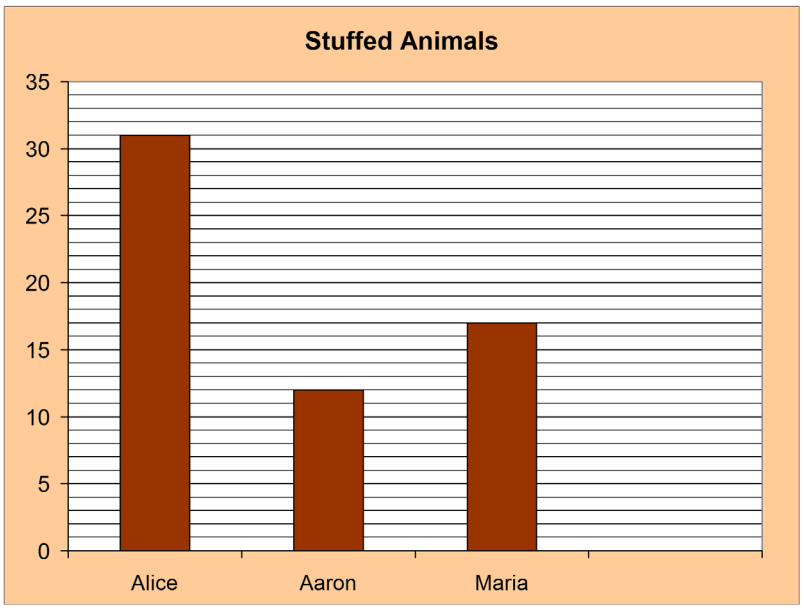
a. How many does Alice have?

b. How many does Aaron have?

c. How many does Maria have?

d. Alice gave 10 stuffed animals to Aaron. Now how many does Alice have?

And Aaron?



In the empty space you can draw a bar on the graph for how many stuffed animals you have.

9. Find the "mystery numbers"! You will need to think logically.

a. This number has three more tens than 50 has, and the same amount of ones as 13.	**b.** This number has seven less ones than 29, and six more tens than 17.

Clock Test

1. Write the time using the expressions *o'clock* and *half past*.

a. _____

_____

b. _____

_____

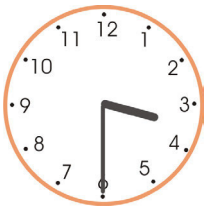
c. _____

_____

d. _____

_____

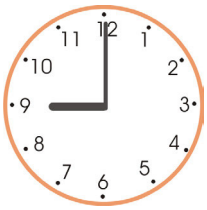
2. Write the time in two ways: using *o'clock* or *half past*, and with numbers.



a. _____

_____

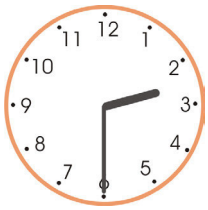
_____ : _____



b. _____

_____

_____ : _____



c. _____

_____

_____ : _____

d. _____

_____

_____ : _____

3. Write the time for a half-hour and an hour later from the given time. Use numbers.

Now it is:	**a.** 6:00	**b.** 9:30	**c.** 10:00	**d.** 4:30	**e.** 12:30
a half-hour later, it is:					
an hour later, it is:					

4. Fill in either AM or PM.

a. Anna wakes up. It is 7 _____.

b. Anna plays in the afternoon. It is 3 _____.

c. Anna sleeps. It is dark. It is 3 _____.

d. Time for an evening snack! It is 7 _____.

Sample worksheet from
www.mathmammoth.com

Mixed Review 4

1. Add.

a. 1 + 4 = _____	**b.** 5 + 2 = _____	**c.** 3 + 6 = _____	**d.** 7 + 3 = _____

2. Subtract.

a. 5 – 2 = _____ **b.** 9 – 4 = _____ **c.** 7 – 3 = _____ **d.** 10 – 8 = _____

e. 6 – 2 = _____ **f.** 10 – 7 = _____ **g.** 7 – 7 = _____ **h.** 9 – 5 = _____

3. Write the names of the numbers with whole tens.

two tens _____

three tens _____

eight tens _____

five tens _____

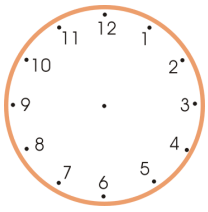
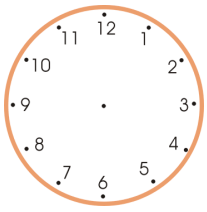
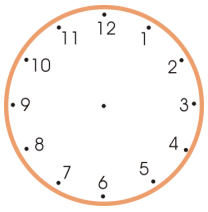
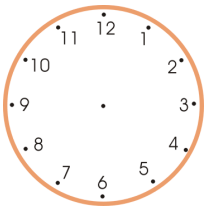
4. Put the numbers in order from the smallest to the largest.

a. 58, 17, 36 _____ < _____ < _____	**b.** 23, 63, 36 _____ < _____ < _____	**c.** 48, 84, 44 _____ < _____ < _____

5. Solve the missing numbers.

a. 8 – ☐ = 5	**b.** ☐ – 2 = 4	**c.** ☐ – 1 = 9
d. ☐ + 3 = 9	**e.** 2 + ☐ = 9	**f.** 9 – ☐ = 9

6. Draw the hour hand on the clocks. Then write the time that the clock will show a half-hour later.

	 **a.** two o'clock	 **b.** ten o'clock	 **c.** half-past six	 **d.** half-past eight
1/2 hour later →	_____ _____	_____ _____	_____ _____	_____ _____

7. Fill in either AM or PM.

a. You woke up. It was 7 _____.	**b.** Jon plays in the afternoon at 3 _____.
c. Joe is asleep. It is dark. It is 1 _____.	**d.** It is time for lunch. It is 1 _____.

8. Compare. Write < , > , or = .

a. 62 ☐ 3 + 60	**c.** 10 – 2 ☐ 7	**e.** 7 ☐ 9 – 2
b. 54 ☐ 42 + 10	**d.** 6 – 5 ☐ 0	**f.** 45 ☐ 65 – 10

9. Solve.

a. A baby put some of his ten crayons into a bucket. Then he had 4 crayons on the floor. So, how many did he put into the bucket?

b. Theresa has $10. She gets another $4 from her mom. Now how much does she have?

How much more does she need to buy a $20 shirt?

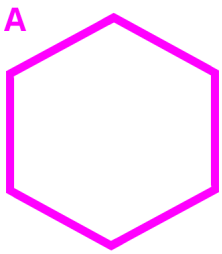
Shapes and Measuring Review

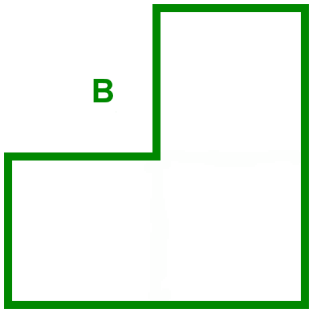
1. Divide the shapes using one straight line.

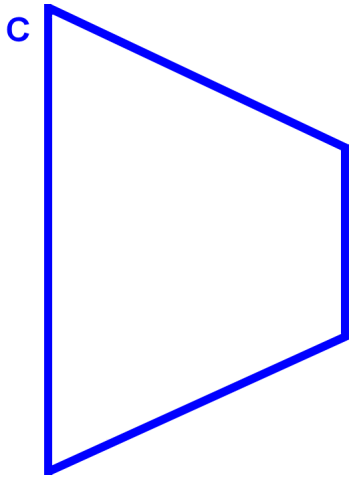
   Divide the shape A into a triangle and a five-sided shape.

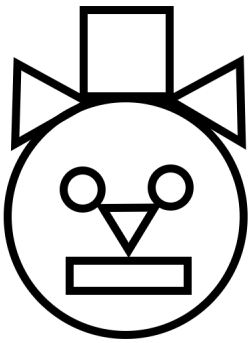
   Divide the shape B into a square and a rectangle.

   Divide the shape C into a four-sided shape and a triangle.

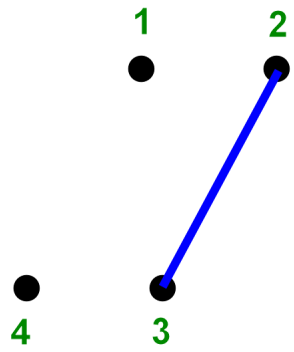








2. Color the triangles orange,
   the rectangles red,
   the squares blue, and
   the little circles light blue.



3. Join these dots <u>carefully</u> with lines,
   from 1 to 2 to 3 to 4 to 1. Use a ruler.

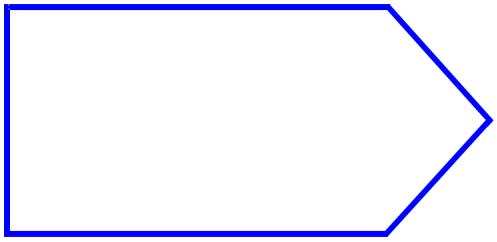
   What shape do you get?

   Divide your shape into two triangles.

4. How many corners are in this shape?

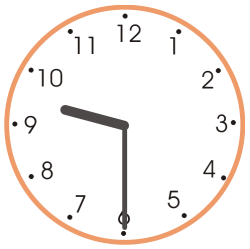
   (We call it a *pentagon*.)

   Measure its sides in centimeters.

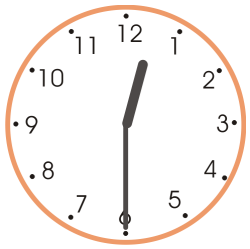


Mixed Review 6

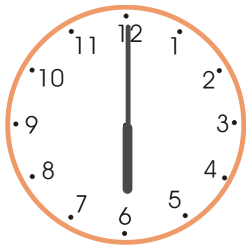
1. Write the time using numbers.



a. _____ : _____



b. _____ : _____



c. _____ : _____

d. _____ : _____

2. Write the time for a half-hour later. Use numbers.

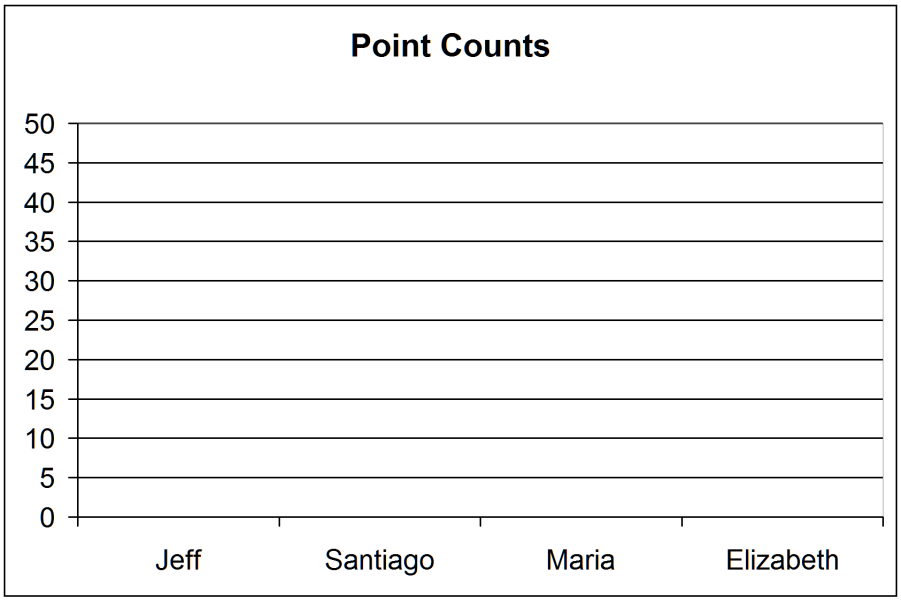
Now it is:	**a.** 2:00	**b.** 8:00	**c.** 12:00	**d.** 7:30	**e.** 10:30
A half-hour later, it is:					

3. Continue the patterns.

a.	**b.**	**c.**
100 – 1 = _____	10 – 1 = _____	10 + 90 = _____
90 – 2 = _____	20 – 2 = _____	20 + 80 = _____
80 – 3 = _____	30 – 3 = _____	30 + 70 = _____
_____ – _____ = _____	_____ – _____ = _____	_____ + _____ = _____
_____ – _____ = _____	_____ – _____ = _____	_____ + _____ = _____
_____ – _____ = _____	_____ – _____ = _____	_____ + _____ = _____
_____ – _____ = _____	_____ – _____ = _____	_____ + _____ = _____
_____ – _____ = _____	_____ – _____ = _____	_____ + _____ = _____

4. Some children played a board game. These are their point counts. Draw a bar graph.

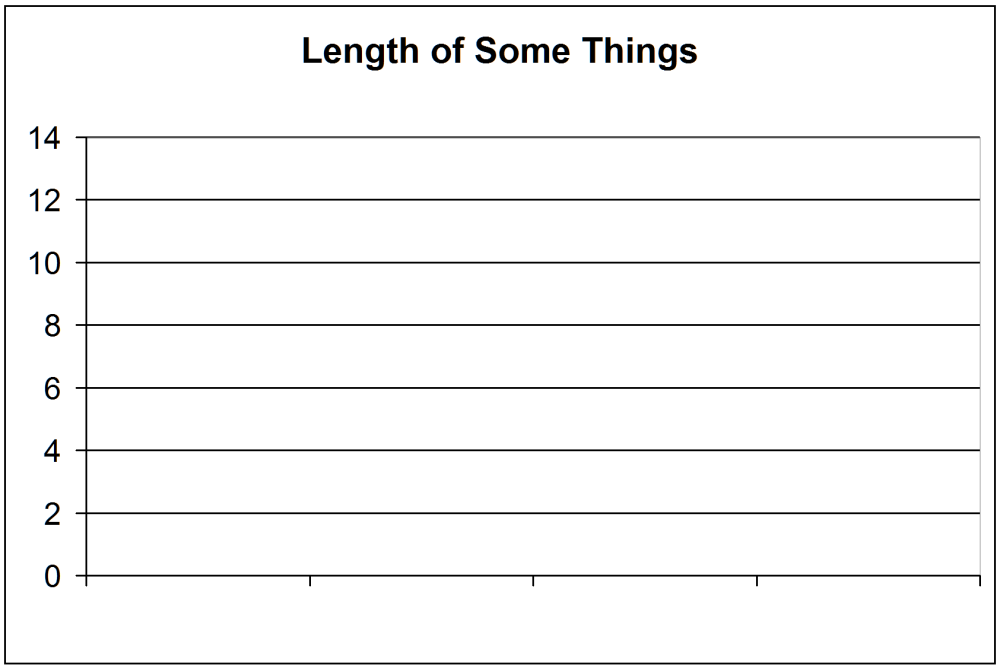
Jeff	30
Santiago	45
Maria	20
Elizabeth	35



a. How many more points did Jeff get than Maria?

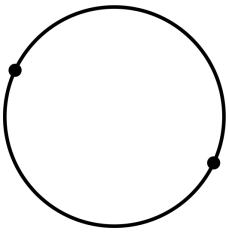
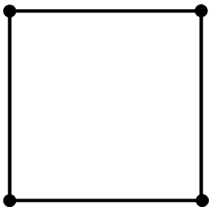
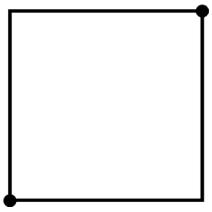
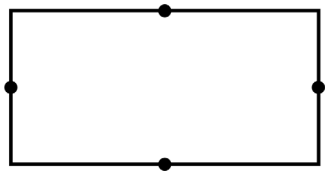
b. How many more points did Santiago get than Elizabeth?

5. Measure four things that are at most 12 inches long. Then make a bar graph about the length of those four things.



6. Draw here some dots and connect them with lines so that you get a *triangle*.

7. Divide these shapes by drawing a straight line or lines from dot to dot. Then color as you are asked.

a. 	**b.** 	**c.** 	**d.** 
Color one half.	Color one fourth.	Color two halves.	Color three fourths.

Puzzle Corner Add the same number each time.

+ 2		+ 3		+ 4	
8	*1 0*	9	____	7	____
18	_____	19	____	17	____
38	_____	59	____	47	____
68	_____	69	____	77	____
98	_____	89	____	97	____

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Math Mammoth End-of-Year Test - Grade 1

This test is quite long, so I do not recommend that you have your child/student to do it in one sitting. Break it into parts and administer them either on consecutive days, or perhaps on morning/evening/morning. Use your judgment.

This is to be used as a diagnostic test. Thus, you may even skip those areas and concepts that you already know for sure your student has mastered.

The test does not cover every single concept that is covered in *Math Mammoth Grade 1*, but all of the major concepts and ideas are tested here. This test is evaluating the child's ability in the following content areas:

- basic addition and subtraction facts within 0-10
- two-digit numbers
- adding and subtracting two-digit numbers
- basic word problems
- clock to the nearest half hour
- measuring and geometry (shapes)
- counting coins

Note 1: If the child cannot read, the teacher can read the questions.

Note 2: Problems #1 and #2 are done orally and timed. Let the student see the problems. Read each problem aloud, and wait a maximum of 5 seconds for an answer. Mark the problem as right or wrong according to the student's (oral) answer. Mark it wrong if there is no answer. Then you can move on to the next problem.

You do not have to mention to the student that the problems are timed or that he/she will have 5 seconds per answer, because the idea here is not to create extra pressure by the fact it is timed, but simply to check if the student has the facts memorized (quick recall). You can say for example (vary as needed):

"*I will ask you some addition and subtraction questions. Try to answer them as quickly as possible. In each question, I will only wait a little while for you to answer, and if you don't say anything, I will move on to the next problem. So just try your best to answer the questions as quickly as you can.*"

In order to continue with the Math Mammoth Grade 2, I recommend that the child gain a score of 80% on this test, and that the teacher or parent review with him any content areas that are found weak. Children scoring between 70 and 80% may also continue with grade 2, depending on the types of errors (careless errors or not remembering something, vs. lack of understanding). Again, use your judgment.

Sample worksheet from
www.mathmammoth.com

Grading

My suggestion for grading is below. The total is 108 points. A score of 86 points is 80%. A score of 76 points is 70%.

Question	Max. points	Student score
Basic Addition and Subtraction Facts within 0-10		
1	8 points	
2	8 points	
3	4 points	
4	8 points	
	subtotal	/ 28
Place Value and Two-Digit Numbers		
5	6 points	
6	4 points	
7	3 points	
	subtotal	/ 13
Adding and Subtracting Two-Digit Numbers		
8	6 points	
9	6 points	
10	4 points	
11	3 points	
	subtotal	/ 19

Question	Max. points	Student score
Basic Word Problems		
12	2 points	
13	2 points	
14	2 points	
15	2 points	
16	2 points	
17	6 points	
18	6 points	
	subtotal	/ 22
Clock		
19	6 points	
20	8 points	
	subtotal	/ 14
Geometry and Measuring		
21	2 points	
22	5 points	
	subtotal	/ 7
Money		
23	3 points	
24	2 points	
	subtotal	/ 5
TOTAL		/ 108

End-of-Year Test - Grade 1

Basic Addition and Subtraction Facts within 0-10

In problems 1 and 2, your teacher will read you the addition and subtraction questions. Try to answer them as quickly as possible. In each question, he/she will only wait a little while for you to answer, and if you don't say anything, your teacher will move on to the next problem. So, just try your best to answer the questions as quickly as you can.

1. Add.

a.	b.	c.	d.
2 + 3 = _____	7 + 3 = _____	6 + 2 = _____	5 + 5 = _____
4 + 4 = _____	5 + 4 = _____	4 + 6 = _____	2 + 4 = _____
1 + 6 = _____	3 + 6 = _____	2 + 5 = _____	9 + 1 = _____
2 + 7 = _____	1 + 7 = _____	6 + 2 = _____	5 + 3 = _____

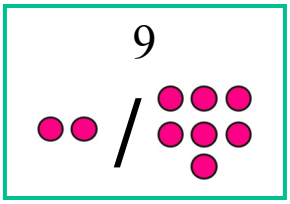
2. Subtract.

a.	b.	c.	d.
8 – 3 = _____	5 – 3 = _____	7 – 3 = _____	10 – 3 = _____
6 – 4 = _____	7 – 4 = _____	9 – 4 = _____	5 – 4 = _____
10 – 6 = _____	9 – 6 = _____	4 – 3 = _____	8 – 6 = _____
8 – 7 = _____	6 – 3 = _____	10 – 7 = _____	9 – 7 = _____

3. Write a fact family to match the picture.

_____ + _____ = _____ _____ + _____ = _____

_____ – _____ = _____ _____ – _____ = _____



4. Find the missing numbers.

a. 2 + _____ = 7 3 + _____ = 8	**b.** 1 + _____ = 8 2 + _____ = 10	**c.** 4 + _____ = 6 _____ + 3 = 9	**d.** _____ + 3 = 8 _____ + 6 = 10

Place Value and Two-Digit Numbers

5. Fill in the missing parts.

a. 20 + 7 = _____ 5 + 60 = _____	**b.** 6 + _____ = 56 30 + _____ = 39	**c.** 40 + _____ = 40 4 + _____ = 94

6. Put the numbers in order.

a. 16, 61, 26 _____ < _____ < _____	**b.** 54, 14, 51 _____ < _____ < _____

7. Compare the expressions and write $<$, $>$, or $=$.

a. 40 + 8 ☐ 4 + 80 **b.** 43 + 5 ☐ 50 **c.** 3 + 33 ☐ 36

Adding and Subtracting Two-Digit Numbers

8. Add.

a. 84 + 4 = _____ 41 + 4 = _____	**b.** 6 + 70 = _____ 16 + 2 = _____	**c.** 74 + 5 = _____ 6 + 53 = _____

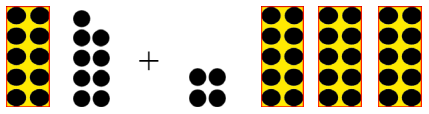
9. Subtract.

a. 80 – 30 = _____ 17 – 3 = _____	**b.** 55 – 3 = _____ 100 – 40 = _____	**c.** 29 – 3 = _____ 50 – 2 = _____

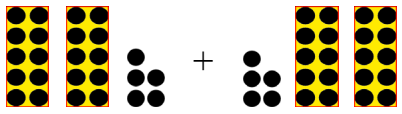
10. Add and subtract.

a. $\begin{array}{r} 14 \\ +\ 35 \\ \hline \end{array}$ **b.** $\begin{array}{r} 59 \\ -\ 34 \\ \hline \end{array}$ **c.** $\begin{array}{r} 40 \\ +\ 56 \\ \hline \end{array}$ **d.** $\begin{array}{r} 96 \\ -\ 60 \\ \hline \end{array}$

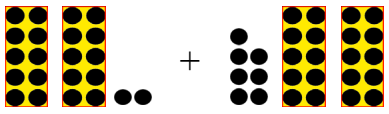
11. Add. The images can help you.



a. 19 + 34 = _____



b. 25 + 25 = _____



c. 22 + 27 = _____

Basic Word Problems

12. Write a subtraction sentence that matches with the addition 6 + 8 = 14.

_____ – _____ = _____

13. How many more is 70 than 50? _____ more

14. Henry owns four more cars than Mark, and Mark owns six cars.
Draw Mark's cars and Henry's cars.

15. Ten kids are playing in the yard. There are 6 boys. How many girls are there?

16. Andy had 20 dollars. He bought a book for 10 dollars and another for 5 dollars.
How much money does he have left?

17. A parking lot has 30 spaces for cars. There is a car in 22 of those spaces.

a. How many spaces are empty?

b. Now, two more cars drive in. How many cars are now in the parking lot?

c. How many empty spaces are there now?

18. Isabelle had 70 marbles and her sister had 55. Isabelle gave 10 marbles to her sister.

a. Now how many marbles does Isabelle have?

b. And her sister?

c. Who has more? How many more?

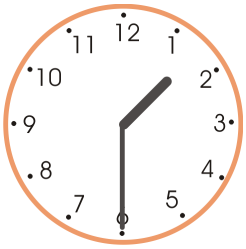
Clock

19. Write the time in two ways: using *o'clock* or *half past*, and with numbers.

a. _____

_____

_____ : _____



b. _____

_____

_____ : _____

c. _____

_____

_____ : _____

20. Write the time for a half-hour and an hour later from the given time. Use numbers.

Now it is:	**a.** 5:30	**b.** 7:00	**c.** 11:30	**d.** 12:00
a half-hour later, it is:				
an hour later, it is:				

Geometry and Measuring

21. Draw a line that is:

a. 3 inches

b. 9 centimeters

22. **a.** Join these dots carefully with a ruler so that you get a shape.

b. What is this shape called? _____

c. Measure the sides of your shape in centimeters.

Side AB: _____ cm Side BC: _____ cm

d. Draw a straight line from dot A to dot C. The line divides your shape to two new shapes.

What are the new shapes called? _____

Money

23. How much money? Write the amount in cents.

a. _____ ¢	**b.** _____ ¢	**c.** _____ ¢

24. Solve.

You have:

You bought an apple for 35¢ and a banana for 26¢.

How much money do you have left? _____ ¢