Contents

Introduction 5

Addition and Subtraction Review 7
Addition and Subtraction Test 9
Multiplication Concept Review 11
Multiplication Concept Test 13
Mixed Review 1 14
Mixed Review 2 16
Multiplication Tables Review 18
Multiplication Tables Test 21
Mixed Review 3 23
Mixed Review 4 25
Telling Time Review 27
Telling Time Test 28
Mixed Review 5 29
Mixed Review 6 31
Money Review 33
Money Test 34
Mixed Review 7 35
Mixed Review 8 37
Place Value with Thousands Review 39
Place Value with Thousands Test 41
Mixed Review 9 43
Mixed Review 10 45
Geometry Review 47
Geometry Test 49
Mixed Review 11 51
Mixed Review 12 53

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Measuring Review 55
Measuring Test 57
Mixed Review 13 58
Mixed Review 14 60
Division Review 62
Division Test 64
Mixed Review 15 65
Mixed Review 16 67
Fractions Review 69
Fractions Test 72
Mixed Review 17 74
Mixed Review 18 76
End-of-Year Test - Grade 3 78

Answers 93

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Introduction

This workbook is intended to give students a thorough review of third grade math, addressing most Common Core Standards for third grade. 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.

This workbook works especially well to prepare students for grade 4. 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 workbook 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 (if the student has not learned the topics at all).

I wish you success with teaching math!

Maria Miller, the author

Sample worksheet from
www.mathmammoth.com

Addition and Subtraction Review

1. Solve using mental math.

a. 303 + 5 = _____ 299 + 5 = _____	**b.** 160 + 70 = _____ 459 + 6 = _____	**c.** 998 – 4 = _____ 202 – 4 = _____

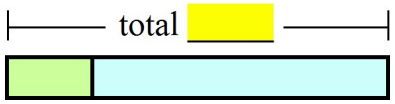
2. Write the Roman numerals using normal numbers, and the numbers using Roman numerals.

a. VI	**b.** LVI	**c.** LXV	**d.** XLVIII
e. 8	**f.** 14	**g.** 23	**h.** 67

3. Subtract.

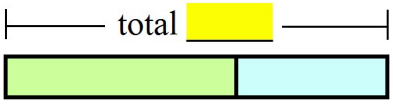
a. 405 − 266 **b.** 510 − 216 **c.** 807 − 429 **d.** 503 − 126 **e.** 415 − 249

4. Write an addition and a subtraction sentence using the given numbers.



a. 80 + _____ = 320

_____ – _____ = _____



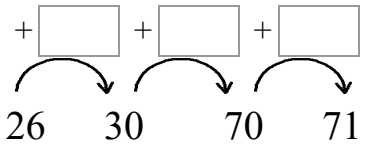
b. _____ + _____ = _____

900 – 410 = _____

5. Solve using mental math.

Add up to find the difference:

a. 71 – 26 = _____



b. 63 – 27 = _____

c. 82 – 51 = _____

d. 91 – 86 = _____

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6. Calculate.

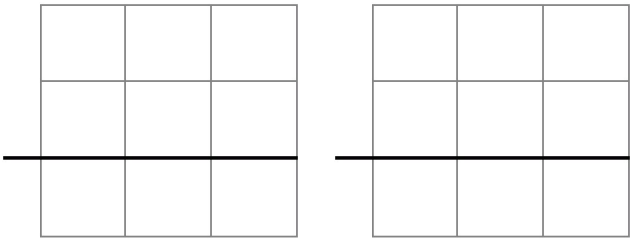
a. $50 - 20 - 5 + 6 =$ _____	**c.** $(500 - 50) + (70 - 10) =$ _____
b. $50 - (20 - 5) + 6 =$ _____	**d.** $500 - (50 + 70 - 10) =$ _____

7. Round these numbers to the nearest ten.

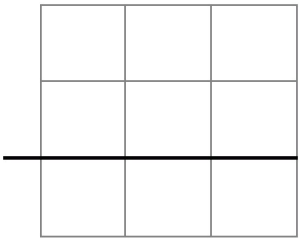
a. $12 \approx$ _____	**b.** $677 \approx$ _____	**c.** $46 \approx$ _____

8. Solve.

a. $693 - (800 - 134) =$ _____

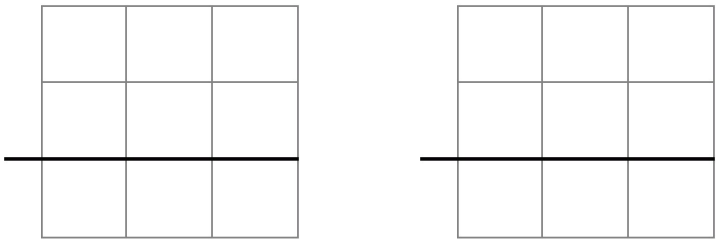


b. _____ $- 318 = 467$



9. Solve the word problems.

a. There are 800 beads in a bag. Some are yellow, some are red, and some are blue. If there are 270 red and 270 blue beads, find how many yellow beads are in the bag.



b. A store sells CDs in boxes of 100. Ann bought three full boxes and one box from which 14 CDs had been sold earlier. How many CDs did she buy?

Multiplication Concept Test

1. Multiply.

a. $2 \times 3 =$ _____	**b.** $2 \times 5 =$ _____	**c.** $2 \times 20 =$ _____	**d.** $1 \times 9 =$ _____
$1 \times 5 =$ _____	$3 \times 10 =$ _____	$3 \times 40 =$ _____	$11 \times 0 =$ _____
$0 \times 7 =$ _____	$2 \times 6 =$ _____	$2 \times 200 =$ _____	$11 \times 1 =$ _____

2. Draw a picture to illustrate the problems.

a. 3×5	**b.** $2 \times 5 + 3 \times 4$

3. Write a number sentence for each problem and solve.

a. Each basket holds 12 apples.
How many apples are in three baskets?

b. Chloe bought four pens for $2 each and two games for $8 each.
What was the total bill?

c. If you make groups of 4 sticks, and you have 20 sticks,
how many groups can you make?

4. Calculate.

a. $5 + 3 \times 5$	**b.** $20 + 2 \times 3 - 4$
c. $0 \times (10 + 2) \times 3$	**d.** $(8 - 3) \times 1 + 6$

Sample worksheet from
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Mixed Review 1

1. Write the Roman numerals using normal numbers.

a.	b.	c.	d.
III	XV	IX	XXIV
VII	XXIII	LXI	CLXXV

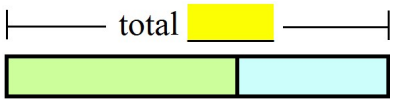
2. Add mentally.

a. 93 + 6 = _____	**b.** 47 + 29 = _____	**c.** 15 + 18 = _____
893 + 6 = _____	607 + 9 = _____	624 + 8 = _____

3. Subtract in parts: First, subtract to the previous whole ten, then subtract the rest.

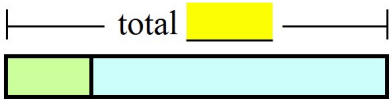
a. 161 – 6	**b.** 332 – 5	**c.** 773 – 8
161 – 1 – 5	332 – ____ – ____	773 – ____ – ____
= _____	= _____	= _____

4. Fill in the missing parts so that the addition and subtraction sentences match the model.



a. 240 + _____ = 400

_____ – _____ = _____



b. 360 + _____ = 410

_____ – _____ = _____

5. Calculate.

a. 19 – (6 + 2) + 5 = _____	**b.** (800 – 60) – (50 – 40) = _____
19 – 6 + 2 + 5 = _____	800 – 60 – 50 – 40 = _____

Sample worksheet from
www.mathmammoth.com

6. Subtract. Be careful with regrouping! Check by adding.

a.

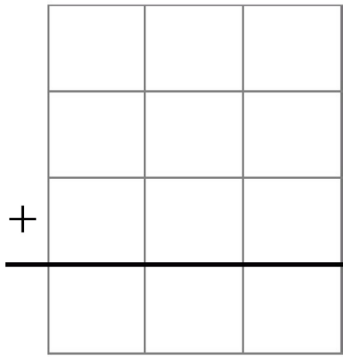
$$\begin{array}{r} 835 \\ -576 \\ \hline \end{array} \qquad + \underline{\qquad\qquad}$$

b.

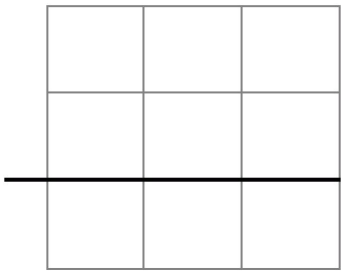
$$\begin{array}{r} 602 \\ -426 \\ \hline \end{array} \qquad + \underline{\qquad\qquad}$$

7. Solve the word problems.

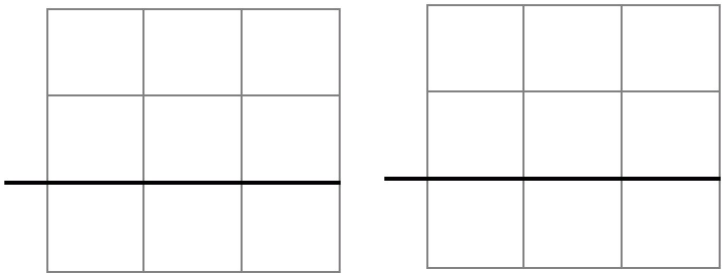
a. Danny ran three times around a track that was 245 yards long. How long a distance did he run?



b. It is 350 km from Jon's home to his grandpa's place. The family drives 176 km of that distance and stops for a rest. How long do they still have to go?



c. One jar had 315 beans and another had 50 fewer beans than that. How many beans are in the <u>two</u> jars?



8. Find *about* how much the two things cost together. Use rounded numbers!

a.

a toy, $28, and a set of books, $129

toy about $_____

a set of books about $_____

together about $ _____

b.

a ladder, $62, and wheelbarrow, $137

ladder about $_____

wheelbarrow about $_____

together about $ _____

Multiplication Tables Test

1. Fill in the complete multiplication table!

×	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?

Sample worksheet from
www.mathmammoth.com

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?

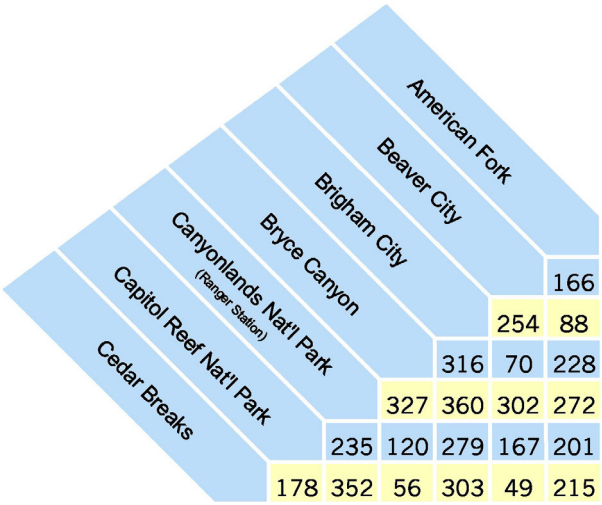
d. A T-shirt costs $6. How many shirts can you buy with $48?

4. Find the missing factors.

a.	**b.**	**c.**	**d.**
_____ × 6 = 24	7 × _____ = 77	5 × _____ = 35	_____ × 3 = 27
_____ × 6 = 54	7 × _____ = 42	_____ × 5 = 20	_____ × 3 = 12
_____ × 6 = 36	7 × _____ = 14	5 × _____ = 55	_____ × 3 = 36
e.	**f.**	**g.**	**h.**
____ × 11 = 66	_____ × 8 = 64	_____ × 4 = 24	____ × 12 = 144
____ × 11 = 121	_____ × 8 = 16	_____ × 4 = 36	_____ × 12 = 48
11 × _____ = 22	8 × _____ = 32	4 × _____ = 16	12 × _____ = 84

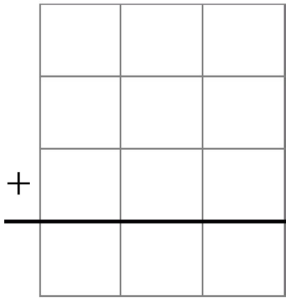
Mixed Review 4

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?

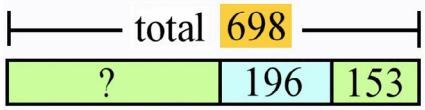


2. Ben and Joe had a three-legged journey:
   (1) They took a bus from Beaver City to Bryce Canyon.
   (2) A friend took them from there to Capitol Reef National Park.
   (3) Then they rode on a bus from there to Brigham City.

   What was the total number of miles they traveled?

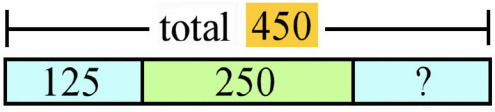


3. Three parts make up one whole. Write an addition and a subtraction sentence, and solve.



a. _____ + _____ + _____ = _____

_____ – _____ – _____ = _____



b. _____ + _____ + _____ = _____

_____ – _____ – _____ = _____

Sample worksheet from
www.mathmammoth.com

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?

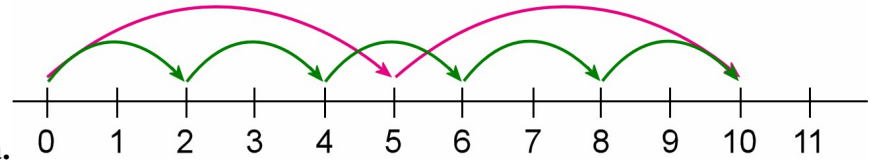
b. Sheila and three other girls equally shared the cost of a taxi to the mall, which was $12. At the mall, Sheila bought a book for $6. How much did Sheila spend for the taxi fare plus the book?

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.

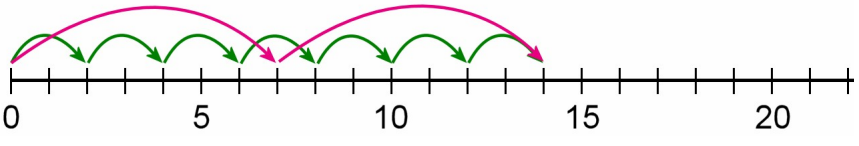
a.



_____ × _____ = _____

_____ × _____ = _____

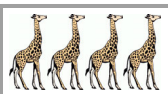
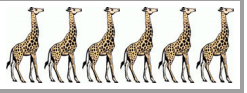
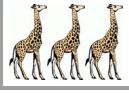
b.



_____ × _____ = _____

_____ × _____ = _____

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?

Mixed Review 6

1. For each problem, write a corresponding subtraction or addition sentence, and solve.

a. _____ + 120 = 770 _____ – _____ = _____	**b.** _____ + _____ = _____ _____ – 9 = 633

2. Reading the list of numbers below from left to right,

a. add the first and second numbers;

b. subtract the fourth number from the ninth number;

c. add the eighth number to the tenth number and then subtract the fifth number.

12, 14, 21, 33, 87, 32, 435, 54, 89, 100

3. Calculate.

a. $(18 - 5) - (3 + 6) =$ _____ $18 - 5 - 3 + 6 =$ _____	**b.** $(300 - 50) - (80 - 30) =$ _____ $300 - 50 - 80 - 30 =$ _____

4. Solve the problems.

a. Karen baked 30 cupcakes. She ate one. Her brother took two. Then her mother said she needed 2 cupcakes for herself and each of the twelve ladies coming for afternoon tea.

Are there enough cupcakes left?

If not, how many more cupcakes does Karen need to make?

b. The teacher gave each of the nine children 12 marbles to play a math game. After the class, only 99 marbles were gathered back. How many marbles were lost?

Sample worksheet from
www.mathmammoth.com

5. Write the time using the hours:minutes way.

a. 8 past 6 _____ : _____	**b.** 12 till 7 _____ : _____	**c.** 29 past 3 _____ : _____	**d.** 33 past 5 _____ : _____
e. 24 till 5 _____ : _____	**f.** 21 till 6 _____ : _____	**g.** 2 till 12 _____ : _____	**h.** 17 till 1 _____ : _____

6. Calculate.

a. $8 \times 10 - 2 + 5 =$ _____	**b.** $6 + 7 \times (4 - 2) =$ _____
c. $3 \times 4 - 2 \times 3 =$ _____	**d.** $2 \times (4 + 4) \times 2 =$ _____

7. Continue the patterns:

a. 564 – 5 = _____	**b.** 888 + 12 = _____
564 – 10 = _____	886 + 14 = _____
564 – 15 = _____	884 + 16 = _____
564 – _____ = _____	_____ + _____ = _____
564 – _____ = _____	_____ + _____ = _____
564 – _____ = _____	_____ + _____ = _____

8. Solve the problems.

a. Grace stayed at the beach for three weeks. Then she went to her grandparent's farm for two more weeks. How many days did she spend at the beach and the farm in total?

b. Ben can walk to school in fifteen minutes. From Monday through Friday, how many minutes does he spend walking to and from school?

Money Review

1. How much money? Write the amount.

a. $_____

b. $_____

2. Write as dollar amounts.

five dimes and a quarter	three half-dollars, three nickels, and 8 pennies	three quarters, two dimes, and a half-dollar
a. $_____	**b.** $_____	**c.** $_____

3. Solve the problems.

a. Maria has $23. She wants to buy a game for $42.95. How much more money does she still need?	**b.** Arnold bought a sandwich for $2.55, soup for $2.30, and juice for $1.85. Find the total bill.	**c.** What is Arnold's change from $10?

4. Solve using mental math.

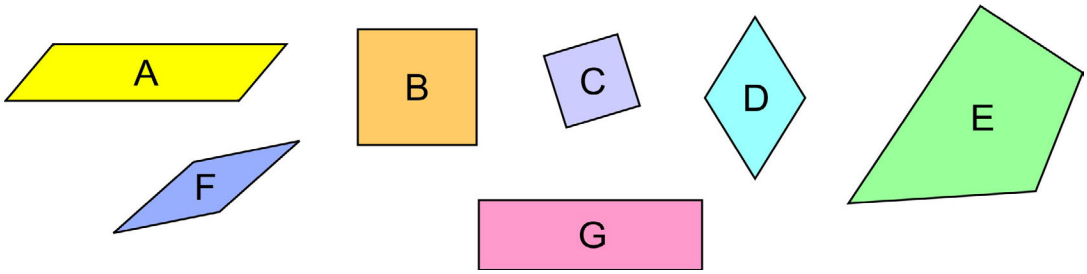
a. If you buy stickers for $2.35 and a notebook for $1.20, what is the total cost?

b. What is your change from $5?

Sample worksheet from
www.mathmammoth.com

Geometry Test

1. Name any special quadrilaterals. If the quadrilateral does not have any special name, leave the line empty.



A _____

B _____

C _____

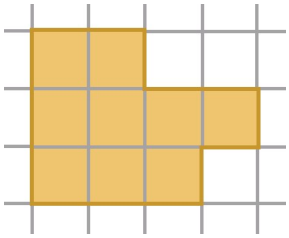
D _____

E _____

F _____

G _____

2. Find the area and perimeter of this figure.

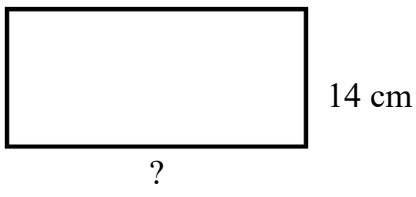


Area = _____

Perimeter = _____

3. Solve. Write an addition with an unknown.

The perimeter of this rectangle is 42 cm. Its one side is 14 cm. How long is the other side?



_____

Solution: ? = _____

Sample worksheet from
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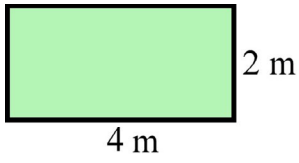
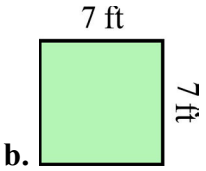
4. Find the area and perimeter of these rectangles.



a.

Perimeter = _____

Area = _____

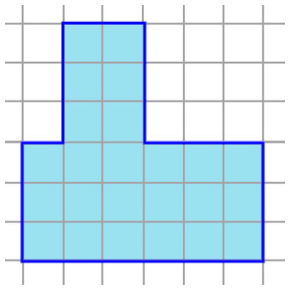


b.

Perimeter = _____

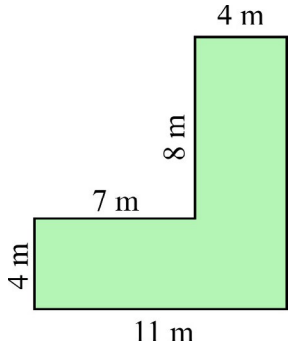
Area = _____

5. Write two multiplications to find the total area.



___ × ___ + ___ × ___ = _____

6. Margie's lawn is in the L-shape shown on the right. Calculate its area.

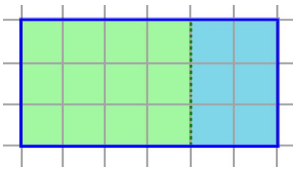


7. Jorge is planning to build a pen for his sheep. One possible pen would be a 60 ft by 80 ft rectangle, and the other possible pen would be a 40 ft by 120 ft rectangle. Which pen has a larger perimeter? How much larger?

8. Write a number sentence for the total area, thinking of one rectangle or two.

___ × (___ + ___) = ___ × ___ + ___ × ___

area of the whole rectangle | area of the first part | area of the second part



Mixed Review 17

1. Divide.

a.	b.	c.	d.
56 ÷ 7 = _____	48 ÷ 6 = _____	54 ÷ 9 = _____	48 ÷ 8 = _____
49 ÷ 7 = _____	72 ÷ 6 = _____	81 ÷ 9 = _____	72 ÷ 8 = _____
28 ÷ 7 = _____	54 ÷ 6 = _____	36 ÷ 9 = _____	32 ÷ 8 = _____

2. Write matching division and multiplication sentences.

a. _____ × _____ = _____	**b.** 3 × 0 = _____	**c.** _____ × _____ = _____
42 ÷ 7 = _____	_____ ÷ _____ = _____	_____ ÷ _____ = _____
_____ ÷ _____ = _____	_____ ÷ _____ = _____	72 ÷ 8 = _____

3. Divide and show the remainder.

a.	b.	c.
16 ÷ 5 = _____ R ____	21 ÷ 4 = _____ R ____	19 ÷ 6 = _____ R ____
12 ÷ 5 = _____ R ____	27 ÷ 4 = _____ R ____	31 ÷ 6 = _____ R ____

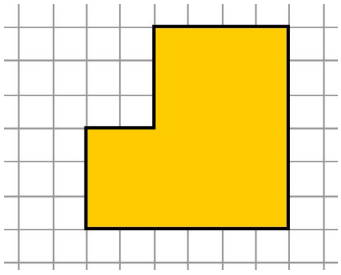
4. Kathy needs to read a 27-page booklet in three days. If she reads the same amount each day, how many pages will she read each day?

5. Six children are sharing 20 apples equally.
How many apples will each child get?
How many apples will be left over?

6. Write a number sentence for the shaded area and solve.

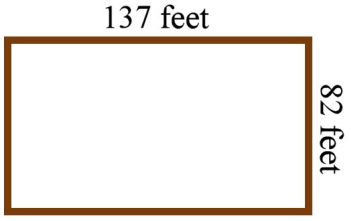
_____

_____

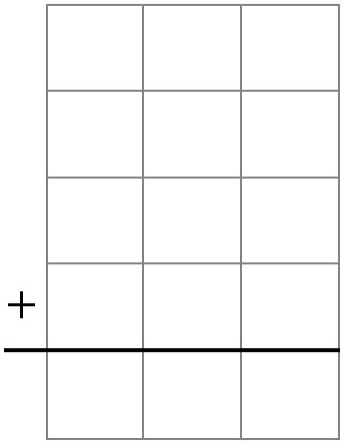


Sample worksheet from
www.mathmammoth.com

7. Round these numbers to the nearest ten, and estimate the perimeter of this park.

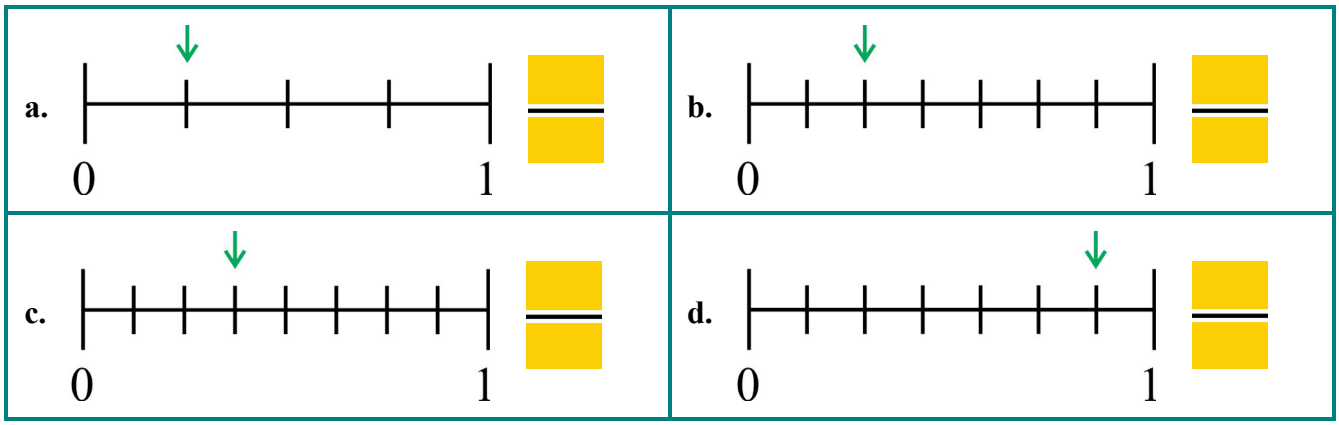


Estimate: _____ ft



Also find the real perimeter by adding the original numbers in columns.

8. Write the fraction that the arrow points to on the number line.



9. Explain how to find which is the greater fraction: $\frac{7}{10}$ or $\frac{7}{8}$?

_____

_____

10. One of the three numbers fits on the empty line so that the comparisons are true. Which number? Circle the number.

a. 5,637 5,673 5,607 5,609 < _____ < 5,650	**b.** 6,142 6,121 6,211 6,114 < _____ < 6,140
c. 6,996 9,966 9,696 9,595 < _____ < 9,700	**d.** 4,001 4,010 4,011 4,001 < _____ < 4,011

Sample worksheet from
www.mathmammoth.com

End-of-Year Test - Grade 3

This test is quite long, so I do not recommend having your child/student do it in one sitting. Break it into parts and administer them either on consecutive days, or perhaps on morning/evening/morning. This is to be used as a diagnostic test. You may even skip those areas that you already know for sure your student has mastered.

The test does not cover every single concept that is covered in the *Math Mammoth Grade 3 Complete Curriculum,* but all the major concepts and ideas are tested here. This test is evaluating the child's ability in the following content areas:

- multiplication tables and basic division facts
- mental addition and subtraction
- regrouping in addition and subtraction
- basic word problems
- multiplication and related concepts
- clock to the minute and elapsed time calculations
- basic money calculations (finding totals and change)
- place value and rounding with four-digit numbers
- quadrilaterals, perimeter, and area
- division and related concepts (remainder, word problems)
- measuring lines in inches and centimeters
- basic usage of measuring units
- the concept of a fraction and mixed number, equivalent fractions, and comparing fractions

Note 1: problems #2 and #3 are done orally and timed. Let the student see the problems. Read each problem aloud, and wait a maximum of 5-6 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 5-6 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 multiplication and division questions. Try to answer me as quickly as possible. In each question, I will only wait a little while for you to answer, and if you do not 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 4 Complete Curriculum, I recommend that the child gain a minimum 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 4, depending on the types of errors (careless errors or not remembering something, vs. lack of understanding). The most important content areas to master are the multiplication tables and the word problems, because of the level of logical reasoning needed in them. Use your judgment.

Sample worksheet from
www.mathmammoth.com

My suggestion for grading is below. The total is 207 points. A score of 166 points is 80%.

Grading on question 1 (the multiplication tables grid): There are 169 empty squares to fill in the table, and the completed table is worth 17 points. Count how many of the answers the student gets right, divide that by 10, and round to the nearest whole point. For example: a student gets 24 right. 24/ 10 = 2.4, which rounded becomes 2 points. Or, a student gets 85 right. 85/10 = 8.5, which rounds to 9 points.

Question	Max. points	Student score
Multiplication Tables and Basic Division Facts		
1	17 points	
2	16 points	
3	16 points	
	subtotal	/ 49
Addition and Subtraction, Including Word Problems		
4	6 points	
5	6 points	
6	4 points	
7	4 points	
8	4 points	
9	3 points	
10	3 points	
11	4 points	
	subtotal	/ 34
Multiplication and Related Concepts		
12	1 point	
13	1 point	
14	3 points	
15	3 points	
16	1 point	
17	2 points	
18	1 point	
	subtotal	/ 12
Time		
19	8 points	
20	3 points	
	subtotal	/ 11

Question	Max. points	Student score
Graphs		
21a	1 point	
21b	1 point	
21c	1 point	
21d	2 points	
	subtotal	/ 5
Money		
22a	1 point	
22b	2 points	
22c	2 points	
23	2 points	
24	3 points	
	subtotal	/ 10
Place Value and Rounding		
25	2 points	
26	5 points	
27	4 points	
28	2 points	
29	8 points	
	subtotal	/ 21
Geometry		
30	5 points	
31	2 points	
32	4 points	
33	2 points	
34	2 points	
35	3 points	
	subtotal	/ 18

Question	Max. points	Student score
Measuring		
36	2 points	
37	2 points	
38	2 points	
39	6 points	
	subtotal	/ 12
Division and Related Concepts		
40	2 points	
41	6 points	
42	3 points	
43	2 points	
44	2 points	
	subtotal	/ 15
Fractions		
45	6 points	
46	3 points	
47	2 points	
48	3 points	
49	4 points	
50	2 points	
	subtotal	/ 20
	TOTAL	**/ 207**

End-of-Year Test - Grade 3

Multiplication Tables and Basic Division Facts

1. Fill in the complete multiplication table.
   You have 12 minutes to fill it in completely.

×	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													

Sample worksheet from
www.mathmammoth.com

In problems 2 and 3, your teacher will read you multiplication and division 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 do not 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.

2. Multiply.

a.	b.	c.	d.
$2 \times 7 =$ _____	$7 \times 4 =$ _____	$3 \times 3 =$ _____	$7 \times 8 =$ _____
$8 \times 3 =$ _____	$5 \times 8 =$ _____	$4 \times 4 =$ _____	$6 \times 5 =$ _____
$5 \times 5 =$ _____	$3 \times 9 =$ _____	$7 \times 7 =$ _____	$8 \times 6 =$ _____
$9 \times 4 =$ _____	$5 \times 7 =$ _____	$4 \times 8 =$ _____	$6 \times 9 =$ _____

3. Divide.

a.	b.	c.	d.
$21 \div 3 =$ _____	$32 \div 4 =$ _____	$45 \div 5 =$ _____	$50 \div 5 =$ _____
$35 \div 7 =$ _____	$40 \div 8 =$ _____	$28 \div 4 =$ _____	$72 \div 9 =$ _____
$48 \div 6 =$ _____	$66 \div 6 =$ _____	$36 \div 9 =$ _____	$18 \div 6 =$ _____
$49 \div 7 =$ _____	$56 \div 8 =$ _____	$63 \div 7 =$ _____	$27 \div 9 =$ _____

Sample worksheet from
www.mathmammoth.com

4. Add in your head and write the answers.

a. 240 + 70 = _____	**b.** 540 + 80 = _____	**c.** 59 + 89 = _____
99 + 50 = _____	335 + 9 = _____	46 + 34 = _____

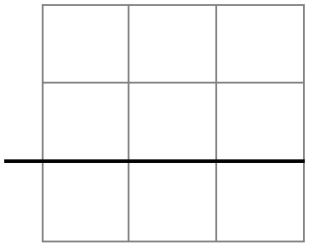
5. Subtract in your head and write the answers.

a. 100 – 67 = _____	**b.** 651 – 8 = _____	**c.** 52 – 37 = _____
73 – 68 = _____	54 – 9 = _____	400 – 22 = _____

6. Subtract. Then check your answer using the grid.

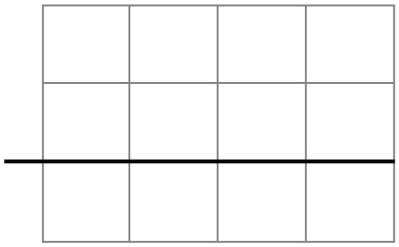
a.

$$\begin{array}{r} 962 \\ -\ 383 \\ \hline \end{array}$$



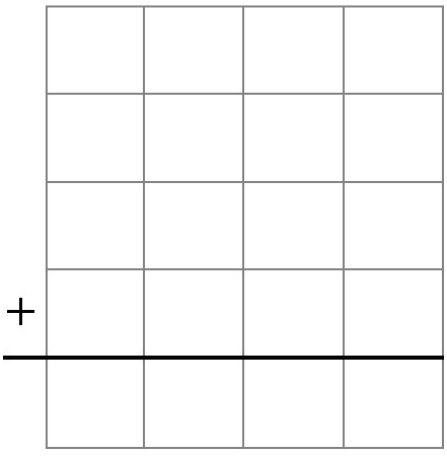
b.

$$\begin{array}{r} 7002 \\ -\ 4526 \\ \hline \end{array}$$

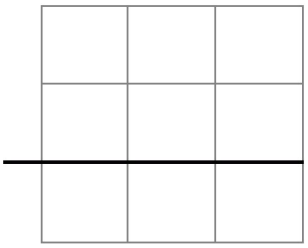


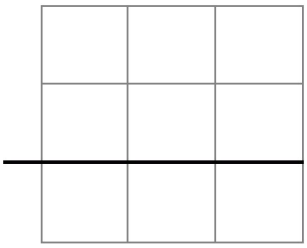
7. Solve.

a. 82 + 5,539 + 1,254 + 278



b. 535 − (430 – 173)

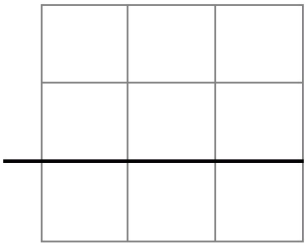




8. Solve what number goes in place of the triangle.

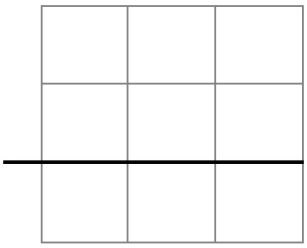
a. $414 + \triangle = 708$

$\triangle$ is _____



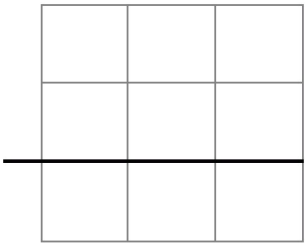
b. $\triangle - 339 = 485$

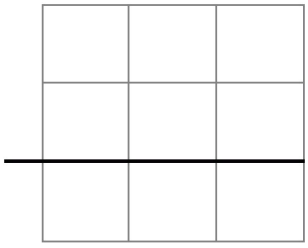
$\triangle$ is _____



Solve.

9. Jason bought a $185 camera and a $32 camera bag.
What was his change from $300?



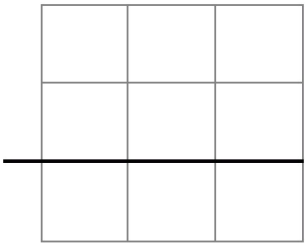


10. A family is driving 300 miles from their hometown to Grandma's place.
10 miles before the half-way point they stopped to have lunch.
How many miles do they still have to go?

11. A store received 100 boxes, which each had 8 light bulbs.

a. How many light bulbs did the store receive?

b. After selling eight boxes, how many bulbs are left?



Multiplication and Related Concepts

12. Draw a picture to illustrate the multiplication $3 \times 4 = 12$.

13. Solve: $5 \times 25 =$ _____

14. Solve.

a. $24 + 8 \times 3$	**b.** $2 + (5 + 4) \times 2$	**c.** $66 - 5 \times 5$

15. Write a multiplication sentence (NOT just the answer) to solve how many legs these animals have in total.

a. Seven horses: _____

b. Five ducks: _____

c. Eight horses and six ducks: _____

16. Each table in a restaurant seats four people. How many tables do you need to reserve for a party of 31 people?

17. A cafeteria menu had spaghetti with meatballs for $8 and bean soup for $6. How much would it cost to buy three plates of spaghetti with meatballs and three bowls of bean soup?

18. Anna is bagging hair clips she made. She will put four hair clips in each bag. She has 28 hair clips to bag. How many bags will she need?

Sample worksheet from
www.mathmammoth.com

Time

19. Write the time the clock shows, and the time 10 minutes later.

	a. _____ : _____	**b.** _____ : _____	**c.** _____ : _____	**d.** _____ : _____
10 min. later	_____ : _____	_____ : _____	_____ : _____	_____ : _____

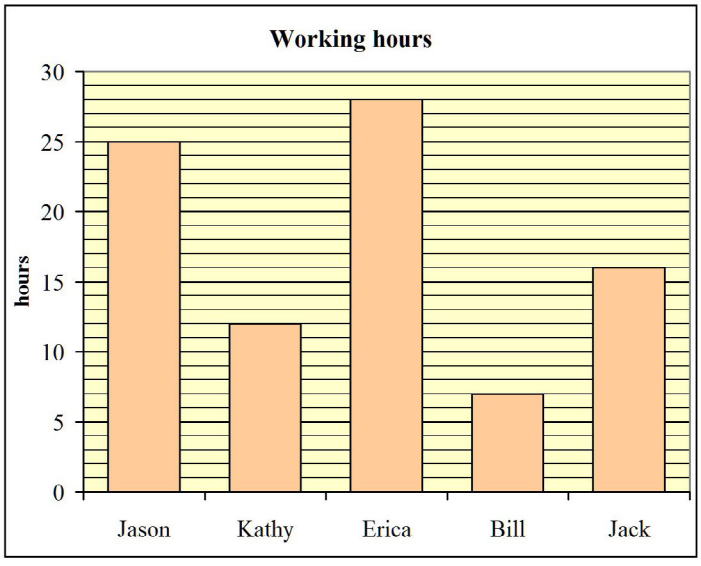
20. **a.** The TV show starts at 6:25 PM and ends at 7:10 PM. How long is it?

b. Mr. Jackson's plane takes off at 9:30 AM. If the flight lasts for 6 hours 20 minutes, when will the plane land?

c. The baseball game was going to be on May 21, but it was postponed (made later) by one week. What was the new date for the game?

Graphs

21. The graph shows some people's working hours on Uncle Ted's apple farm.



a. How many hours did Erica work?

b. How many hours did Kathy work?

c. How many more hours did Jason work than Jack?

d. How many hours did the three boys work in total?

Sample worksheet from
www.mathmammoth.com

Money

22. Find the total cost of buying the items listed. Line up the numbers carefully when you add.

$6.60	$8.95	$1.25	$16.59
a. a calculator and a bag	**b.** two pens and a book	**c.** three pens and a calculator	

23. Find the change.

a. A book costs $7.10. You give $10. Change: $_____	**b.** A basket costs $4.45. You give $5. Change: $_____

24. A pencil case costs $2.35. If Mark buys four of them with his $10, what will his change be?

Sample worksheet from
www.mathmammoth.com

Place Value and Rounding

25. Fill in the missing numbers.

a. 2,000 + 60 + _____ = 2,760	**b.** 700 + 20 + _____ + 9 = 2,729

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

a. 6,034 ☐ 3,064	**b.** 5,156 ☐ 5,516	**c.** 9,079 ☐ 9,097
d. 6,000 + 3 + 40 ☐ 400 + 60 + 3,000	**e.** 900 + 7,000 ☐ 90 + 7,000 + 2	

27. Add and subtract.

a. 5,400 + 300 = _____ 7,800 + 800 = _____	**b.** 2,900 – 1,700 = _____ 8,100 – 300 = _____

28. Round the numbers to the nearest TEN.

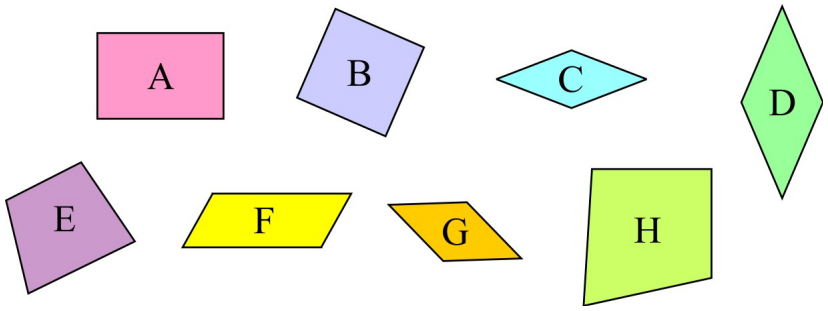
a. 743 ≈ _____	**b.** 987 ≈ _____	**c.** 251 ≈ _____	**d.** 665 ≈ _____

29. Estimate these calculations by rounding the numbers to the nearest hundred. Also, calculate the exact answer.

a. Round the numbers, then add: 3,782 + 2,255 ↓ ↓ + = _____	**Calculate exactly:** 3 7 8 2 + 2 2 5 5
b. Round the numbers, then subtract: 8,149 – 888 ↓ ↓ – = _____	**Calculate exactly:** 8 1 4 9 – 8 8 8

Geometry

30. Name any special quadrilaterals.



_____

_____

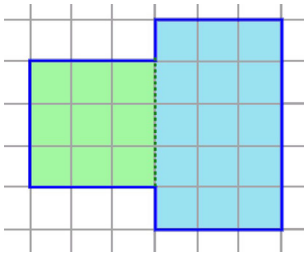
_____

_____

_____

_____

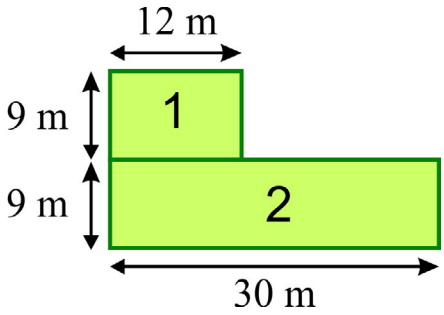
31. Find the perimeter and area of this shape.



Perimeter: _____

Area : _____

32. The picture shows a two-part lawn.



a. Find the areas of part 1 and part 2.

_____ and _____

b. Find the perimeter of the whole lawn.

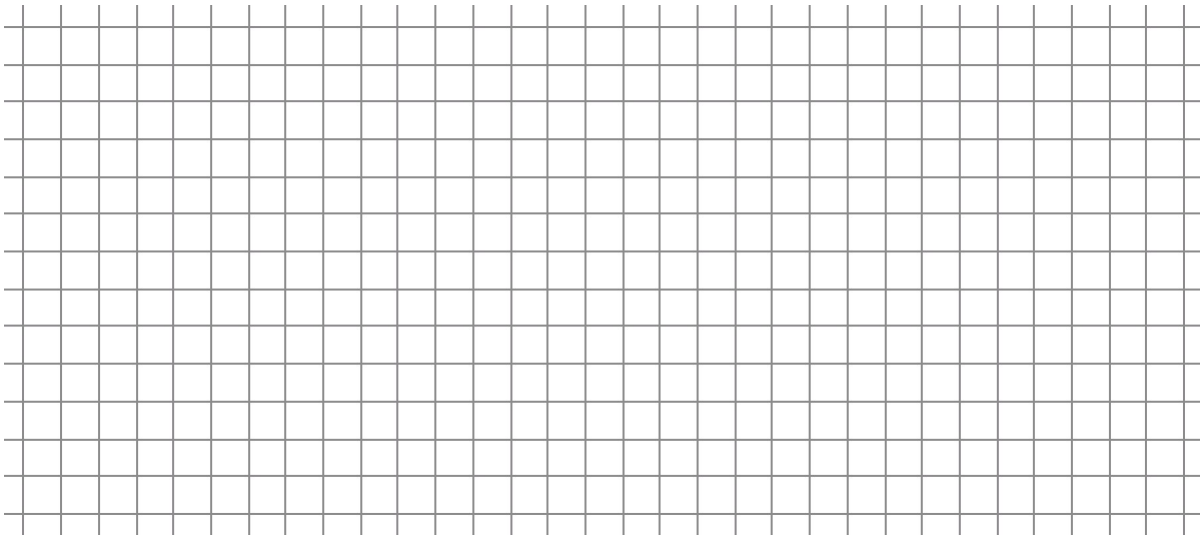
Sample worksheet from
www.mathmammoth.com

33. The perimeter of a rectangle measures 26 in. Find the other side length, if one side measures 4 in.

34. Draw in the grid below:

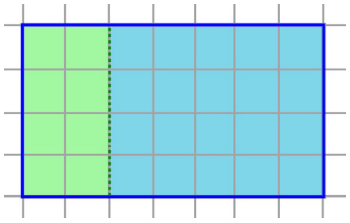
a. a rectangle with an area of 15 square units

b. a rectangle with a perimeter of 10 units.



35. Write a number sentence for the total area, thinking of one rectangle or two.

$$\underset{\text{area of the whole rectangle}}{___} \times (___ + ___) = \underset{\text{area of the first part}}{___ \times ___} + \underset{\text{area of the second part}}{___ \times ___} = _____$$



Measuring

36. Draw lines:

a. 6 1/4 inch long

b. 7 cm 5 mm long

37. Write in order from smallest to biggest unit: cm km m mm

38. Name two different units that you can use to measure a small amount of water in a drinking glass.

39. Fill in the blanks with units of measure. Sometimes several different units are possible.

a. The mountain is 20,000 _____ high.

b. The pencil is 14 _____ long.

c. Jeremy bought 5 _____ of potatoes.

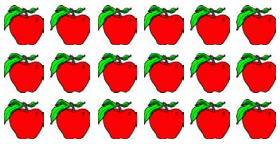
d. The large glass holds 3 _____ of liquid.

e. The teacher weighs 68 _____ .

f. The room was 20 _____ wide.

Division and Related Concepts

40. Write two multiplications and two divisions for the same picture.



____ × ____ = _____ _____ ÷ ____ = ____

____ × ____ = _____ _____ ÷ ____ = ____

41. Divide, but CROSS OUT all the problems that are impossible!

a. 17 ÷ 1 = _____ 17 ÷ 0 = _____	**b.** 17 ÷ 17 = _____ 0 ÷ 0 = _____	**c.** 1 ÷ 1 = _____ 0 ÷ 1 = _____

42. Divide.

a. 17 ÷ 2 = _____ R ____ **b.** 24 ÷ 5 = _____ R ____ **c.** 47 ÷ 7 = _____ R ____

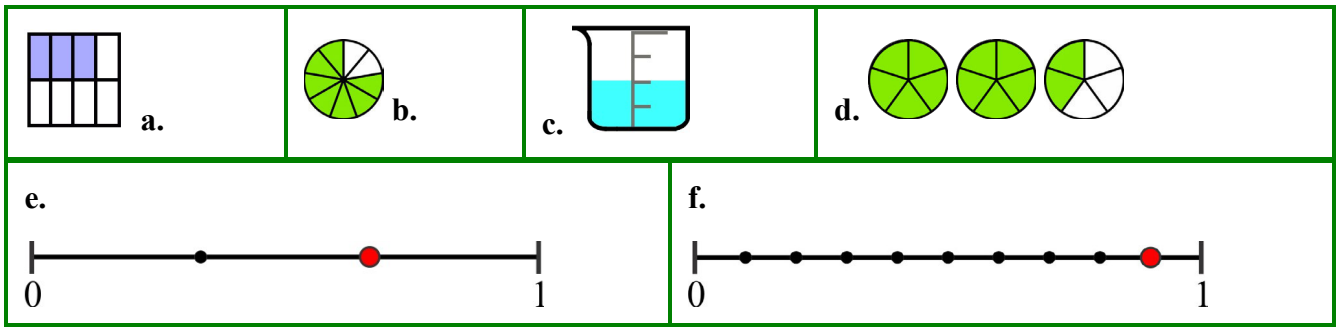
43. A team leader divided a group of 24 children into teams.
Can he divide the children equally into teams of 5?
Teams of 6? Teams of 7?

44. Annie, Rob, and Ted decided to buy a gift that cost $16 and flowers that cost $14 for Mom. The children shared the total cost equally. How much did each child pay?

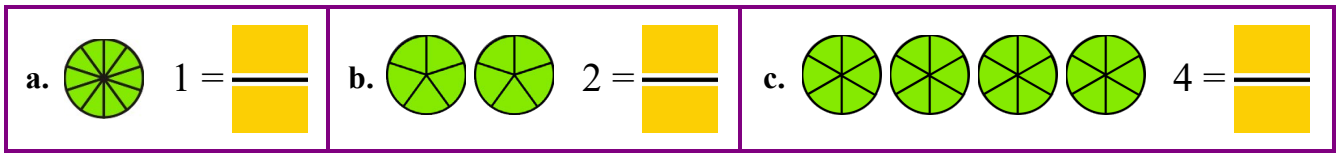
Sample worksheet from
www.mathmammoth.com

Fractions

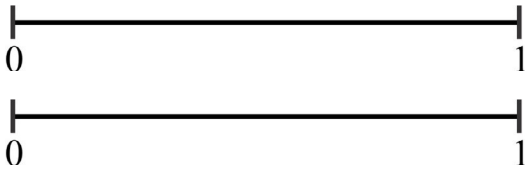
45. Write the fraction or mixed number.



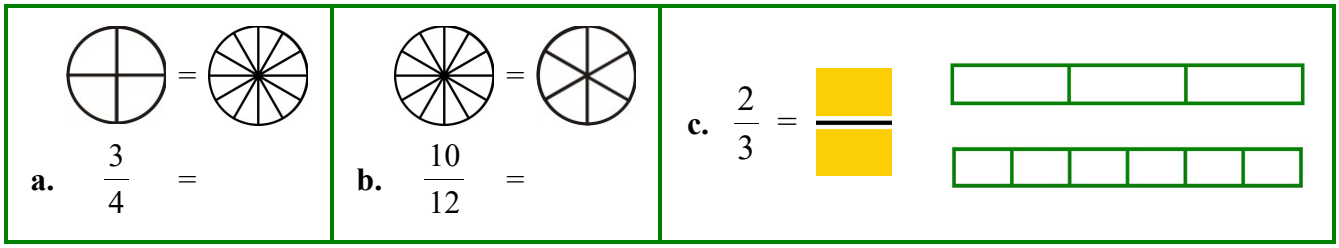
46. Write the whole numbers as fractions.



47. Mark the equivalent fractions $\frac{3}{6}$ and $\frac{1}{2}$ on the number lines.



48. Shade parts for the first fraction. Shade the same *amount* in the second picture, forming an equivalent fraction. Write the second fraction.

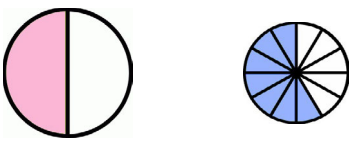


49. Compare the fractions, and write >, <, or = in the box.

a. $\frac{2}{7} \square \frac{2}{3}$ **b.** $\frac{5}{11} \square \frac{7}{11}$ **c.** $\frac{1}{2} \square \frac{9}{10}$ **d.** $\frac{1}{7} \square \frac{1}{8}$

50. Mary ate 1/2 of a strawberry pie, and David ate 7/12 of a blueberry pie. Look at the pictures. Who ate more pie?

Mary's pie: David's pie:



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