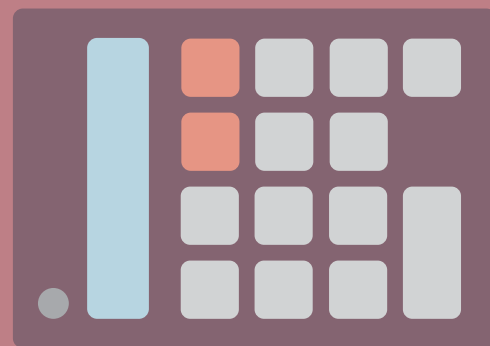




MATH

Student Book



▶ **3rd Grade | Unit 3**

MATH 303

FACTS OF ADDITION, SUBTRACTION, AND FRACTIONS

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NOTE to teachers, parents, and students:

As part of a continuing effort to improve the LIFEPAC curriculum a new layout of this unit has been produced. The content of this unit has not changed but the page numbers referenced in the Teacher Notes of the Teacher's Guide may no longer match.

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FACTS OF ADDITION, SUBTRACTION, AND FRACTIONS

This unit begins with a review of basic addition and fact families. Adding three numbers with carrying, changing coins to money, and skip counting by 3's are just a few of the concepts focused on in this unit. Your skills in checking addition and subtracting with borrowing will be expanded. There will be additional practice in the standard measurements of weight and volume. You will learn about fractions that are equal to a whole. In this LIFEPAC[®], you will also practice the skills of money and connecting end points.

Unit Objectives

Read these objectives. The objectives tell you what you will be able to do when you have successfully completed this LIFEPAC.

1. I can add three numbers with carrying to tens' place.
2. I can change coins to money.
3. I can measure weight and volume.
4. I can learn more about fact families.
5. I can subtract with borrowing to hundreds' place.
6. I can skip count by 3's.
7. I can follow oral instructions.
8. I can learn about fractions equal to one whole.
9. I know the meanings of A.M. and P.M., midnight and noon.

1. ADDITION AND SUBTRACTION FACTS

Fact Families

Fact families make it easier to learn addition and subtraction facts.

There are three numbers in each fact family.

We use the three numbers to write two addition and two subtraction facts.



Complete these activities.

1.1 Write two addition and two subtraction facts.

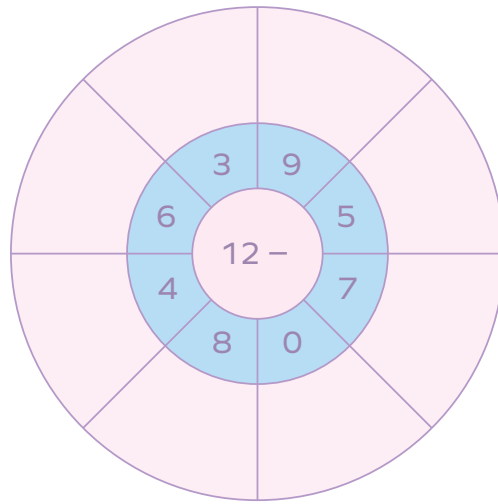
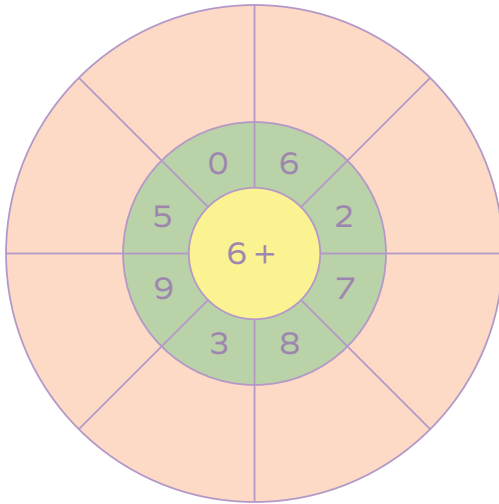
	addition		subtraction
5, 6, 11	_____	_____	_____
3, 4, 7	_____	_____	_____
8, 9, 17	_____	_____	_____
6, 7, 13	_____	_____	_____

We use addition and subtraction facts to 'think' answers.

1.2 Think the answer. Write the answer.

$6 + 8 - 7 + 4 =$ _____	$13 - 5 + 2 - 5 =$ _____
$4 + 3 + 5 - 6 =$ _____	$8 - 0 + 2 + 6 =$ _____
$15 - 8 - 3 + 2 =$ _____	$5 + 4 + 8 - 9 =$ _____
$7 + 6 - 5 - 8 =$ _____	$18 - 9 - 5 + 2 =$ _____

1.3 Write the answers to the facts.



Addition

Each part of an addition problem has a name. *addend, addend, sum*



Complete these activities.

1.4 Write the name for each part of the addition problem on the line.

$$\begin{array}{r}
 384 \\
 + 215 \\
 \hline
 599
 \end{array}$$

1.5 Find the sum of these addition problems.

$$\begin{array}{r} 52 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 76 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 8 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 233 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ + 520 \\ \hline \end{array}$$

$$\begin{array}{r} 685 \\ + 112 \\ \hline \end{array}$$

$$\begin{array}{r} 227 \\ + 135 \\ \hline \end{array}$$

$$\begin{array}{r} 684 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} 467 \\ + 258 \\ \hline \end{array}$$

$$\begin{array}{r} 475 \\ + 376 \\ \hline \end{array}$$

$$\begin{array}{r} 288 \\ + 234 \\ \hline \end{array}$$

1.6 Answer the questions.

We say that 6 is a one-digit number. What is the digit? ____

We say that 84 is a two-digit number. What are the digits? ____ ____

We can learn to add three two-digit numbers.

If we need to carry, we follow the same rules we have learned.

without carry with carry

$$\begin{array}{r} 35 \\ 42 \\ + 61 \\ \hline 138 \end{array}$$

$$\begin{array}{r} 1 \\ 27 \\ 62 \\ + 36 \\ \hline 125 \end{array}$$

$$7 + 2 + 6 \text{ ones} = 15 \text{ ones}$$

$$1 \text{ ten} + 5 \text{ ones} = 15 \text{ ones}$$

Write the 5 and carry the 1 ten.

$$1 + 2 + 6 + 3 \text{ tens} = 12 \text{ tens}$$

1.7 Add.

$$\begin{array}{r} 56 \\ 32 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ 63 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ 40 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 21 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ 25 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ 42 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ 41 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ 51 \\ + 83 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 72 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ 46 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 25 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ 50 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ 23 \\ + 85 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ 68 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ 46 \\ + 39 \\ \hline \end{array}$$

We do not always need to carry in addition problems.

1.8 Put a circle around each problem you need to carry. Be sure to look at both ones' place and tens' place.

$$\begin{array}{r} 76 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ + 341 \\ \hline \end{array}$$

$$\begin{array}{r} 523 \\ + 184 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ + 659 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ + 385 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ 66 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ 32 \\ + 63 \\ \hline \end{array}$$

1.9 Add.

$$\begin{array}{r} 27 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ + 51 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ 62 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ 22 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ 24 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 22 \\ + 60 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 51 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 245 \\ + 352 \\ \hline \end{array}$$

$$\begin{array}{r} 317 \\ + 269 \\ \hline \end{array}$$

$$\begin{array}{r} 283 \\ + 591 \\ \hline \end{array}$$

$$\begin{array}{r} 183 \\ + 439 \\ \hline \end{array}$$

$$\begin{array}{r} 536 \\ + 297 \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 375 \\ \hline \end{array}$$

$$\begin{array}{r} 290 \\ + 580 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ + 148 \\ \hline \end{array}$$

$$\begin{array}{r} 465 \\ + 247 \\ \hline \end{array}$$

$$\begin{array}{r} 328 \\ + 176 \\ \hline \end{array}$$

1.10 Write the number word in digits. Circle the number in the puzzle.

six hundred three _____

four hundred fifty-nine _____

three hundred fifty-two _____

seventy-one _____

one hundred twenty-six _____

thirty-eight _____

6	3	8	9
1	0	5	7
2	4	3	1
6	3	5	2



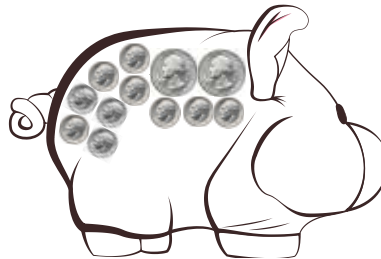
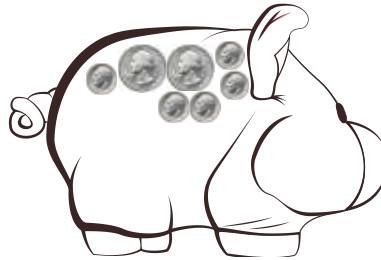
Add the coins. Color the banks.

1.11

50¢ blue

\$1.00 green

\$1.50 orange



For this Self Test, study what you have read and done. The Self Test will check what you remember.

SELF TEST 1

Complete these activities (each answer, 1 point).

1.01 Write the family of facts.

7, 8, 15 _____

1.02 Write the name for the parts of the addition problem.

$$\begin{array}{r}
 63 \\
 + 29 \\
 \hline
 92
 \end{array}$$

1.03 Write the number words in digits.

three hundred seventy-two _____

eight hundred nine _____

1.04 Add.

$$\begin{array}{r}
 33 \\
 + 56 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 74 \\
 + 59 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 38 \\
 + 63 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 27 \\
 + 81 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 13 \\
 27 \\
 + 63 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 71 \\
 32 \\
 + 85 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 465 \\
 + 429 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 367 \\
 + 518 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 356 \\
 + 520 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 287 \\
 + 355 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 729 \\
 + 186 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 352 \\
 + 365 \\
 \hline
 \end{array}$$

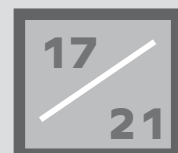


Teacher check:

Score _____

Initials _____

Date _____





MAT_Gr3-5



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800-622-3070
www.aop.com

MAT0303 – Jan '16 Printing

ISBN 978-1-58095-383-2



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