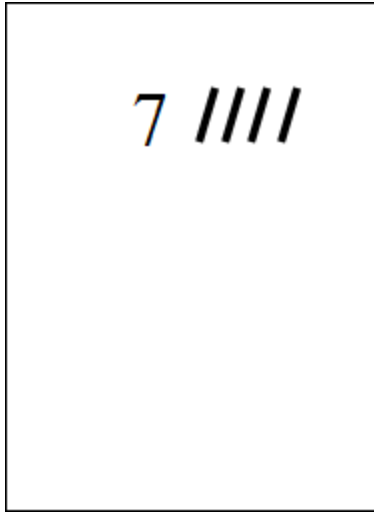FM²

Name   Date

Foundation Mastery Method   Set 1: Addition (vertical model)

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$$

7 ////

$$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array}$$

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

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

FM²

4	2	3
+8	+9	+9

5	2	2
+4	+3	+7

8	9	6
+8	+9	+6

3	4	5
+3	+4	+5

FM²

8	8	8
+6	+7	+5

Foundation Mastery Method   Set 2: Addition (vertical model)

7	2	3
+1	+7	+7

4	5	7
+7	+7	+6

7	7	7
+7	+8	+9

Name   Date

1	2	3
+9	+9	+9

9	9	9
+4	+5	+7

8	9	9
+9	+9	+6

8	4	5
+2	+8	+8

Name   Date

$$8$$
$$+6$$

$$8$$
$$+7$$

$$8$$
$$+8$$

Foundation Mastery Method   Set 3: Addition (vertical model)

$$7$$
$$+7$$

$$8$$
$$+7$$

$$5$$
$$+7$$

$$8$$
$$+6$$

$$9$$
$$+6$$

$$7$$
$$+6$$

$$5$$
$$+6$$

$$5$$
$$+5$$

$$5$$
$$+8$$

FM²

4	4	4
+9	+8	+6

9	4	3
+5	+7	+7

8	9	9
+8	+3	+9

5	2	5
+6	+8	+8

4	4	3
+9	+4	+6

$$9 \atop +9$$

$$8 \atop +9$$

$$9 \atop +5$$

Foundation Mastery Method

Set 4: Addition (vertical model: **Bigger number plus tally method**)

$$2 \atop +4$$

$$3 \atop +7$$

7 ////

Count from 8

$$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array}$$

$$5 \atop +6$$

$$4 \atop +6$$

FM²

4	3	1
+4	+6	+9

4	2	3
+8	+9	+9

5	2	2
+4	+3	+7

8	9	5
+8	+9	+6

3	4	5
+3	+4	+5

FM²

$$8$$
$$+6$$

$$8$$
$$+7$$

$$8$$
$$+5$$

$$9$$
$$+6$$

$$9$$
$$+7$$

$$9$$
$$+4$$

Foundation Mastery Method

Set 5: Addition (vertical model: **Two digit addend**)

$$14$$
$$+81$$

$$34$$
$$+65$$

$$44$$
$$+55$$

$$64$$
$$+35$$

$$34$$
$$+71$$

$$55$$
$$+81$$

Name   Date

65	75	55
+83	+84	+93

45	77	56
+54	+62	+83

34	43	74
+81	+65	+55

64	34	58
+53	+65	+81

65	83	74
+93	+83	+83

$$65$$
$$+\,74$$

$$96$$
$$+\,23$$

$$65$$
$$+\,83$$

$$47$$
$$+\,92$$

$$75$$
$$+\,53$$

$$93$$
$$+\,94$$

Foundation Mastery Method

Set 6: Addition (Horizontal model)

$8\,////$

$8+4=12$

$6+3=$

$3+4=$

$3+3=$

$4+4=$

$6+6=$

$6+4=$

$6+5=$

$4+2=$

$4 + 6 =$ $7 + 4 =$ $5 + 3 =$

$7 + 4 =$ $5 + 2 =$ $10 + 3 =$

$80 + 49 =$ $62 + 39 =$ $33 + 405 =$

$38 + 93 =$ $411 + 48 =$ $65 + 601 =$

$36 + 48 =$ $336 + 58 =$ $4 + 298 =$

$$234 + 69 =$$ $$79 + 411 =$$

$$55 + 333 =$$

$$77 + 476 =$$ $$615 + 211 =$$

$$109 + 398 =$$

Foundation Mastery Method

Set 7: Addition (vertical model: **Same sign**), Just add and keep the sign.

| | |/|/|/|/|/| | |/| |

$$\begin{array}{r} -6 \\ -1 \\ \hline -7 \end{array}$$
$$\begin{array}{r} -12 \\ -7 \\ \hline \end{array}$$
$$\begin{array}{r} -13 \\ -7 \\ \hline \end{array}$$

$\begin{array}{r} -14 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} -15 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} -7 \\ -6 \\ \hline \end{array}$

$\begin{array}{r} -7 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -7 \\ \hline \end{array}$

$\begin{array}{r} -9 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} -12 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -3 \\ \hline \end{array}$
$\begin{array}{r} -9 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -7 \\ \hline \end{array}$

$\begin{array}{r} -12 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} -9 \\ -6 \\ \hline \end{array}$

$$-8$$
$$\underline{-2}$$

$$-14$$
$$\underline{-8}$$

$$-15$$
$$\underline{-8}$$

$$-8$$
$$\underline{-6}$$

$$-8$$
$$\underline{-7}$$

$$-8$$
$$\underline{-8}$$

Foundation Mastery Method

Set 8: Addition (horizontal model)

$-6-4=-10$	$-10-7=$	$-10-4=$
$-5-2=$	$-12-6=$	$-8-4=$
$-8-5=$	$-15-7=$	$-5-12=$

Name   Date

$-7-3=$ $-7-12=$ $-13-7=$

$-9-6=$ $-6-3=$ $-3-7=$

$-14-9=$ $-9-5=$ $-15-6=$

$-16-10=$ $-8-4=$ $-10-7=$

$-9-4=$ $-8-7=$ $-10-6=$

$-5-5=$ $-9-9=$ $-8-8=$

$-9-5=$ $-17-7=$ $-12-12=$

$$-9-3=$$ $$-8-12=$$ $$-15-5=$$

$$-9-10=$$ $$-6-7=$$ $$-3-7=$$

$$-13-9=$$ $$-9-8=$$ $$-15-4=$$

$$-16-14=$$ $$-6-4=$$ $$-10-2=$$

Foundation Mastery Method

Set 9: Word problems

1. There are 12 boys and 8 girls in second grade. How many students are there in second grade?

2. Suzanne rides her bike 5 miles in the morning and 3 miles in the afternoon. How many miles did she ride her bike?

FM²

Name   Date

3. Scott walks 2 miles in the morning, 3 miles at noon and 2 miles in the evening. How far did he walk altogether?

4. Ali walks to his school 3 miles and then two miles to a gym. How many miles did he walk altogether?

5. Ali read 13 pages and Jose read 5 pages. How many pages did they read?

6. There were 120 adults and 50 children in a game show. How many people were there?

7. Rahim earned $50 yesterday and $15 today. How much money does he have now?

8. Rahima earned $35 yesterday and $47 today. How much did she earn in two days.

9. Robert earned $25 yesterday and $37 today. How much did he earn all together?

10. Sean has 15 marbles. He bought 21 more. How many did Sean have altogether?

11. Jena picks 18 flowers, Hannah picks 23 flowers. How many flowers did they pick in all?

12. Matt sees 24 duck in the pond. 14 more ducks fly in. How many ducks are there in the pond in all?

FM²

Name   Date

13. Matt sees 27 duck in the pond. 11 ducks fly in the pond. How many ducks are there in the pond now?

14. Katy has 23 baseball cards, Robert has 31 baseball cards and Samantha has 15 baseball cards. How many baseball cards did they have in all?

15. Kevin goes to grocery store and spends $27. He spends $13 for car wash. How much did he spend in all?

16. Joe walks 4.3 miles in the morning and 2.6 miles in the evening. How many miles did Joe walk in altogether?

17. Robin has 30 apples, and he got 4 apples from his mother. How many does he have now?

18. My brother has 50 dimes; I gave him another 20 dimes. How many dimes he has altogether?