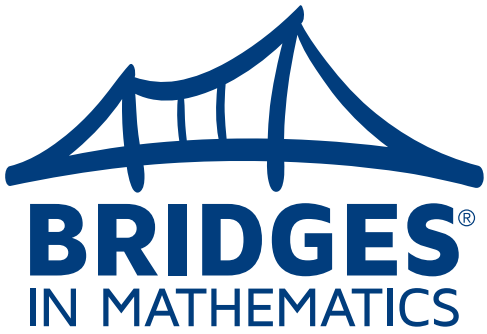
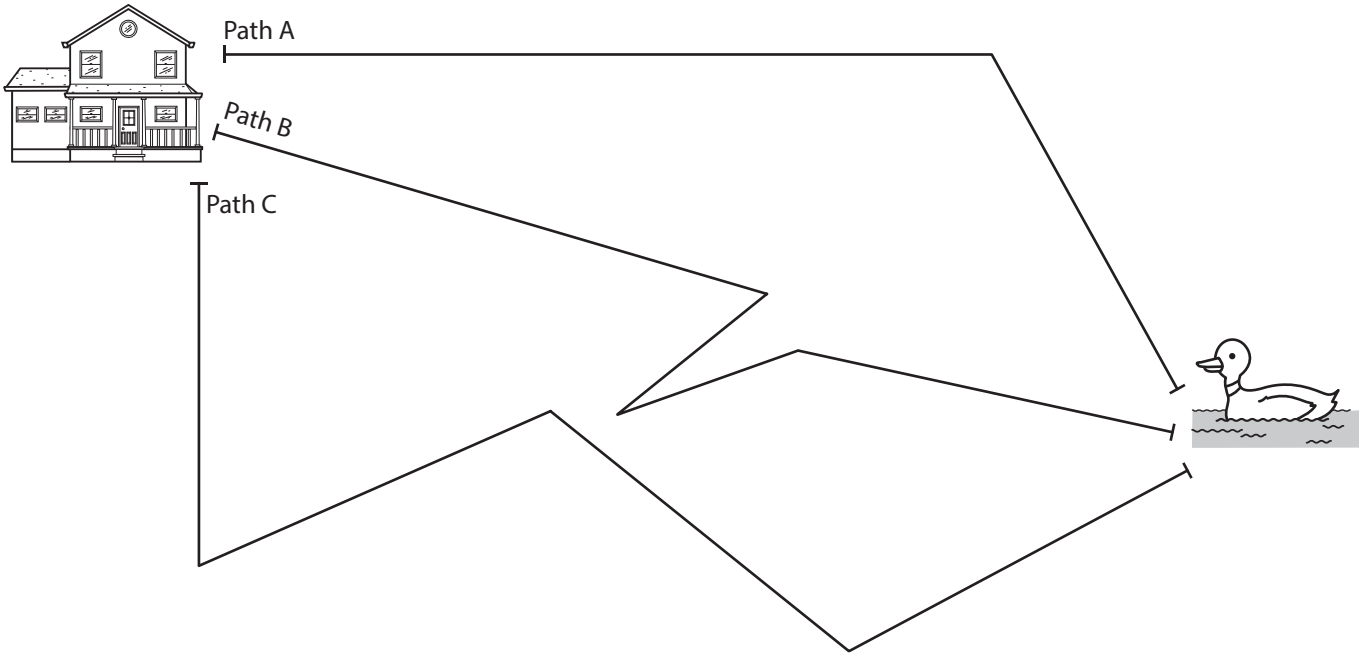


Grade 2 Unit 4 Module 2
Practice Pages for Math at Home

NAME | DATE

Paths & Piggybanks page 1 of 2

Little Inchworm wants to get from the house to the duck pond. She can use Path A, B, or C.



1 Which path looks shortest? (circle one)

Path A Path B Path C

2 Use the inch side of your ruler. Measure each path to find out which one is shortest.

a Path A is _____ inches long.

b Path B is _____ inches long.

c Path C is _____ inches long.

3 Which path is shortest? _____

4 Which path is longest? _____

5 **CHALLENGE** Use a red pencil or marker. Draw the shortest path from the house to the duck pond. Measure your new path with the inch side of your ruler.

About how long is your new path? _____ inches

(continued on next page)

NAME | DATE

Paths & Piggybanks page 2 of 2

Ella took all the coins out of her piggy bank. She made a graph about them.

My Coin Graph

Pennies 1¢							
Nickels 5¢							
Dimes 10¢							
	1	2	3	4	5	6	7

6 Does Ella have more dimes or more pennies? _____

7 Which coin does Ella have the most of? _____

8 How many fewer dimes are there than nickels? _____

9 How much money does Ella have in her bank? _____

10 **CHALLENGE** Ella wants to buy a binder for $1.00. How much more money does she need? Show your work.

NAME | DATE

Adding, Subtracting & Measuring page 1 of 2

Hundreds Grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
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
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 Find each sum. Use the hundreds grid to help.

50	38	45	66	79	53	26
+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10
19	21	81	37	40	72	27
+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10

2 Find each difference. Use the hundreds grid to help.

75	55	42	99	87	18	21
– 10	– 10	– 10	– 10	– 10	– 10	– 10
47	14	51	39	28	77	94
– 10	– 10	– 10	– 10	– 10	– 10	– 10

(continued on next page)

NAME | DATE

Adding, Subtracting & Measuring page 2 of 2

3 Use a ruler marked in inches to measure each strip. Write the length in the space next to the strip. Label your answers with the correct units (inches, in., or ″).

	Strip	Length
a		
b		
c		
d		

4 There are 12 inches in 1 foot. Use this information to answer the questions below.

a How many feet are equal to 24 inches? _____

b How many feet are equal to 36 inches? _____

5 Rodney has a piece of rope that is 82 inches long. Simon has a piece of rope that is 27 inches long. How much longer is Rodney's piece of rope? Show all your work.

6 **CHALLENGE** Maria and Katy each have a piece of string. When they put the two pieces of string together end to end, the total length is 84 inches. Maria's string is 6 inches longer than Katy's. How long is Maria's piece of string? How long is Katy's piece of string? Show all your work. Use another piece of paper if you need to.

NAME | **DATE**

More Three by Three Magic Squares

Fill in the numbers 1 to 9 so that each row, column, and diagonal add up to the same number—the magic number. You have to use all the numbers from 1 to 9, and use them each only once, in each Magic Square.

2		
	5	
	1	

The magic number is _____.

		7
	9	2

The magic number is _____.

	3	
1		9

The magic number is _____.

What patterns do you notice in a Three by Three Magic Square?

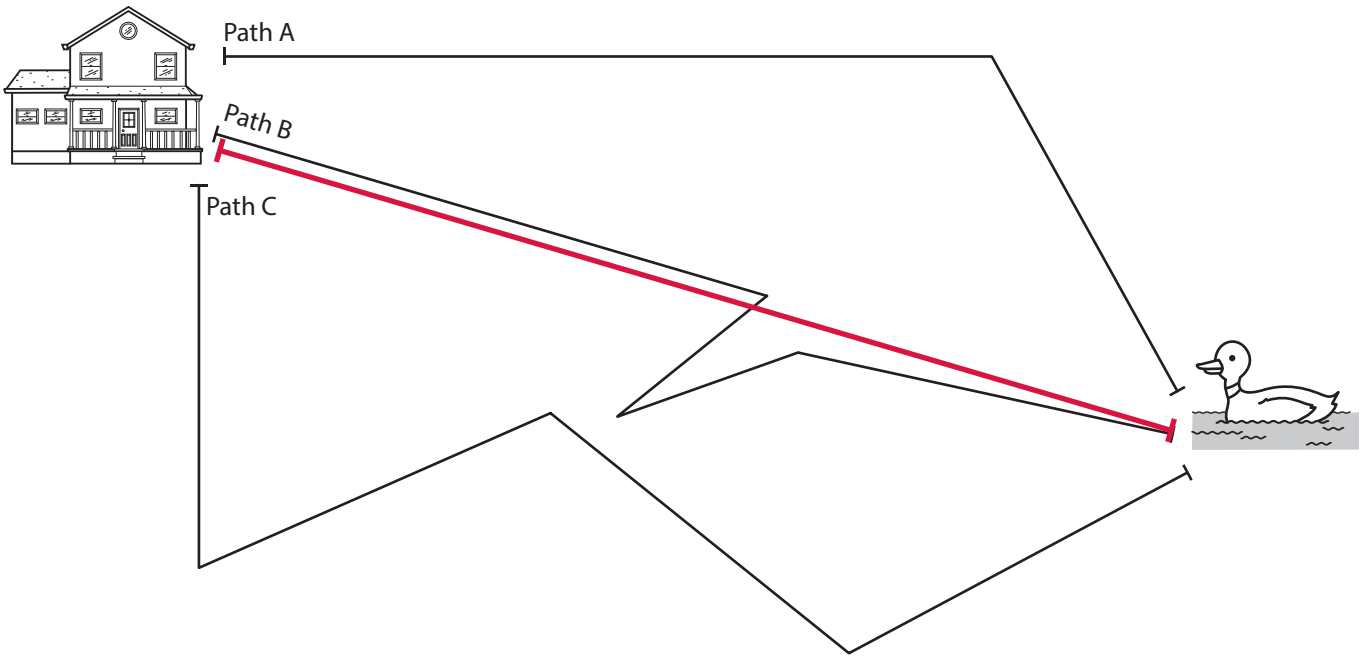
Create your own Three by Three Magic Squares in the boxes below.

Answer Keys

NAME | DATE

Paths & Piggybanks page 1 of 2

Little Inchworm wants to get from the house to the duck pond. She can use Path A, B, or C.



1 Which path looks shortest? (circle one) **Student answers will vary.**

Path A Path B Path C

2 Use the inch side of your ruler. Measure each path to find out which one is shortest.

a Path A is **6** inches long.

b Path B is **7** inches long.

c Path C is **8** inches long.

3 Which path is shortest? **A**

4 Which path is longest? **C**

5 **CHALLENGE** Use a red pencil or marker. Draw the shortest path from the house to the duck pond. Measure your new path with the inch side of your ruler.

Student work and answers will vary. The shortest path is about 5 ¼ or 5 ½ inches, so responses in a 5–6 inch range are reasonable.

About how long is your new path? _____ inches

(continued on next page)

NAME | DATE

Paths & Piggybanks page 2 of 2

Ella took all the coins out of her piggy bank. She made a graph about them.

My Coin Graph

	1	2	3	4	5	6	7
Pennies 1¢							
Nickels 5¢							
Dimes 10¢							

6 Does Ella have more dimes or more pennies? dimes

7 Which coin does Ella have the most of? nickels

8 How many fewer dimes are there than nickels? 2

9 How much money does Ella have in her bank? 87¢

10 **CHALLENGE** Ella wants to buy a binder for $1.00. How much more money does she need? Show your work.

Student work will vary.

$1.00 – 87¢ = 13¢

NAME | DATE

Adding, Subtracting & Measuring page 1 of 2

Hundreds Grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
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
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 Find each sum. Use the hundreds grid to help.

50 + 10 = **60**	38 + 10 = **48**	45 + 10 = **55**	66 + 10 = **76**	79 + 10 = **89**	53 + 10 = **63**	26 + 10 = **36**
19 + 10 = **29**	21 + 10 = **31**	81 + 10 = **91**	37 + 10 = **47**	40 + 10 = **50**	72 + 10 = **82**	27 + 10 = **37**

2 Find each difference. Use the hundreds grid to help.

75 − 10 = **65**	55 − 10 = **45**	42 − 10 = **32**	99 − 10 = **89**	87 − 10 = **77**	18 − 10 = **8**	21 − 10 = **11**
47 − 10 = **37**	14 − 10 = **4**	51 − 10 = **41**	39 − 10 = **29**	28 − 10 = **18**	77 − 10 = **67**	94 − 10 = **84**

(continued on next page)

NAME | DATE

Adding, Subtracting & Measuring page 2 of 2

3 Use a ruler marked in inches to measure each strip. Write the length in the space next to the strip. Label your answers with the correct units (inches, in., or ″).

	Strip	Length
a		4″
b		2 ½″
c		3 ½″
d		5″

4 There are 12 inches in 1 foot. Use this information to answer the questions below.

a How many feet are equal to 24 inches? 2

b How many feet are equal to 36 inches? 3

5 Rodney has a piece of rope that is 82 inches long. Simon has a piece of rope that is 27 inches long. How much longer is Rodney's piece of rope? Show all your work.

Student work will vary. 55

6 **CHALLENGE** Maria and Katy each have a piece of string. When they put the two pieces of string together end to end, the total length is 84 inches. Maria's string is 6 inches longer than Katy's. How long is Maria's piece of string? How long is Katy's piece of string? Show all your work. Use another piece of paper if you need to.

Student work will vary.

Maria's string is 45″.
Katy's string is 39″.

NAME | **DATE**

More Three by Three Magic Squares

Fill in the numbers 1 to 9 so that each row, column, and diagonal add up to the same number—the magic number. You have to use all the numbers from 1 to 9, and use them each only once, in each Magic Square.

2	9	4
7	5	3
6	1	8

The magic number is 15.

8	1	6
3	5	7
4	9	2

The magic number is 15.

8	3	4
1	5	9
6	7	2

The magic number is 15.

What patterns do you notice in a Three by Three Magic Square?

Explanations may vary. Students may observe that the magic squares all equal 15.

Create your own Three by Three Magic Squares in the boxes below.

Answers may vary.