# BRIDGES®
## IN MATHEMATICS

# Grade 2 Unit 4 Module 1
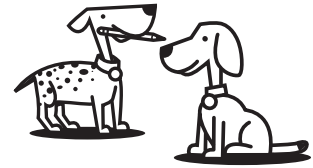# Practice Pages for Math at Home

**NAME** _____ | **DATE** _____

## 🏠 Pencil Puppy & Pal page 1 of 2

**1** Fill in the bubble next to the correct answer to each question.

**a** The number on Pencil Puppy's dog tag has a 6 in the tens place. It has a 4 in the ones place. What is the number on her tag?

◯ 46          ◯ 64          ◯ 14          ◯ 67

**b** The number on Pal's dog tag has a 7 in the tens place. It has a 3 in the ones place. What is the number on Pal's tag?

◯ 17          ◯ 37          ◯ 30          ◯ 73

**2** Fill in the correct answer.

**a** Pencil Puppy's house number has a 3 in the tens place.
It has a 5 in the ones place.
What is Pencil Puppy's house number? _____

**b** Pal's house number has a 7 in the ones place.
It has a 4 in the tens place.
What is Pal's house number? _____

**3** Pencil Puppy has 43 pencils in her house. Pal has 29 pencils in his house. How many pencils do they have in all? Use numbers, pictures, and/or words to solve the problem and explain your answer.

Pencil Puppy and Pal have _____ pencils in all.

NAME | DATE

## Pencil Puppy & Pal page 2 of 2

**4** Add. Use the pictures of base ten pieces to help. The second set of pieces for each problem is hidden, so you will have to draw them or imagine them.

**a**

36
+ 26

26

**b**

39
+ 14

14

**5** When Pencil Puppy does 2-digit addition, she adds the tens first. Next, she adds the ones. Then she adds the two numbers to get the answer. Try her strategy.

**ex**

| Tens | Ones |
|------|------|
| 3 | 7 |
| + 2 | 7 |

$30 + 20 = \underline{50}$
$7 + 7 = \underline{14}$
$50 + 14 = \underline{64}$

**a**

| Tens | Ones |
|------|------|
| 4 | 8 |
| + 3 | 4 |

$40 + 30 = \underline{\phantom{00}}$
$8 + 4 = \underline{\phantom{00}}$
$70 + 12 = \underline{\phantom{00}}$

**b**

| Tens | Ones |
|------|------|
| 5 | 8 |
| + 2 | 8 |

$50 + 20 = \underline{\phantom{00}}$
$8 + 8 = \underline{\phantom{00}}$
$70 + 16 = \underline{\phantom{00}}$

**c**

| Tens | Ones |
|------|------|
| 2 | 5 |
| + 6 | 9 |

$20 + 60 = \underline{\phantom{00}}$
$5 + 9 = \underline{\phantom{00}}$
$\underline{\phantom{00}} + \underline{\phantom{00}} = \underline{\phantom{00}}$

**d**

| Tens | Ones |
|------|------|
| 3 | 4 |
| + 5 | 9 |

$30 + 50 = \underline{\phantom{00}}$
$4 + 9 = \underline{\phantom{00}}$
$\underline{\phantom{00}} + \underline{\phantom{00}} = \underline{\phantom{00}}$

**e**

| Tens | Ones |
|------|------|
| 4 | 5 |
| + 4 | 6 |

$40 + 40 = \underline{\phantom{00}}$
$5 + 6 = \underline{\phantom{00}}$
$\underline{\phantom{00}} + \underline{\phantom{00}} = \underline{\phantom{00}}$

NAME _____ | DATE _____

## Subtraction & Graphing Practice page 1 of 2

DJ Hopper makes hops on the number line to solve 2-digit subtraction problems.

Here's how he solved 53 − 26:

- Start at 26.

- Hop up to 30.

- Now hop up to 50.

- Then hop up to 53 and add up all your hops. That tells how far it is from 26 to 53.
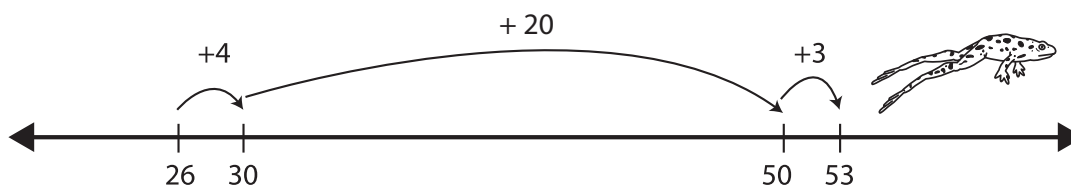
$$4 + 20 + 3 = 27 \qquad \text{so } 53 - 26 = \underline{27}$$

**1** Try DJ's number line strategy to solve these subtraction problems.

**a** 45 − 17

_____ so 45 − 17 = _____

**b** 54 − 25

_____ so 54 − 25 = _____

**c** 57 − 18

_____ so 57 − 18 = _____

*(continued on next page)*

NAME _____ | DATE _____

## Subtraction & Graphing Practice page 2 of 2

## Favorite Pets

**2** The second graders in Ms. Nelson's class made a graph with pictures to show their favorite pets. Each student put one picture on the graph to show his or her favorite pet. Use their graph to help answer the questions below.

| Our Favorite Pets | |
|---|---|
| **Fish** | 🐟🐟🐟🐟🐟 |
| **Birds** | 🐦🐦 |
| **Cats** | 🐱🐱🐱🐱🐱🐱🐱🐱 |
| **Dogs** | 🐕🐕🐕🐕🐕🐕🐕🐕🐕🐕🐕🐕 |
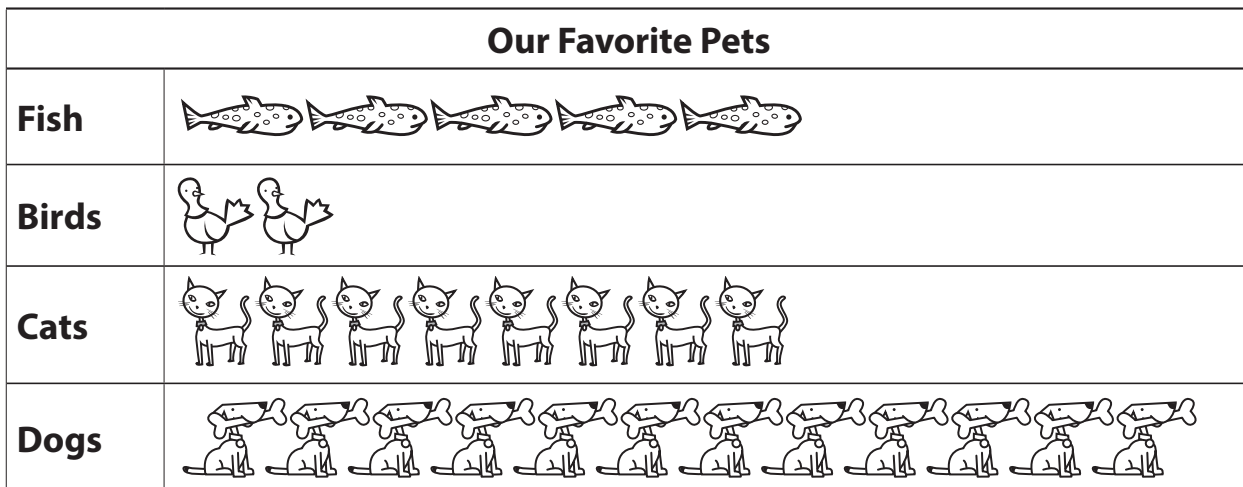
**a** Which pet did most kids like the best? _____

**b** How many more kids like dogs than fish the best? _____

**c** How many fewer kids like birds than cats the best? _____

**d** Write an equation to show how many kids put pictures on this graph.

**3** The kids in Ms. Nelson's class did a survey of all the second grades to find out about kids' favorite pets. Use their chart to help answer the questions below.

**a** How many more kids like fish than birds the best? Show your work.

**b** How many more kids like dogs than cats the best? Show your work.

| 2nd Grade Favorite Pets | |
|---|---|
| **Pets** | **Number of Kids** |
| Fish | 17 |
| Birds | 8 |
| Cats | 45 |
| Dogs | 62 |

## 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.

| | | |
|---|---|---|
| **6** | | |
| | **5** | |
| **8** | | |

The magic number is _____.

| | | |
|---|---|---|
| **4** | | |
| | **5** | |
| **2** | | |

The magic number is _____.

| | | |
|---|---|---|
| | **9** | **2** |
| | | |
| **8** | | |

The magic number is _____.

| | | |
|---|---|---|
| | **1** | |
| | | |
| **4** | | **2** |

The magic number is _____.

| | | |
|---|---|---|
| | **7** | |
| **9** | | |
| **4** | | |

The magic number is _____.

| | | |
|---|---|---|
| | | |
| | | **3** |
| | **9** | **4** |

The magic number is _____.

# Answer Keys

**NAME** | **DATE**

## Pencil Puppy & Pal page 1 of 2

**1** Fill in the bubble next to the correct answer to each question.

**a** The number on Pencil Puppy's dog tag has a 6 in the tens place. It has a 4 in the ones place. What is the number on her tag?

○ 46　　● 64　　○ 14　　○ 67
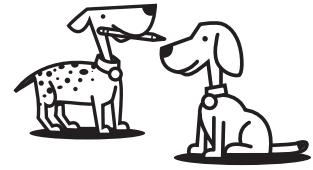
**b** The number on Pal's dog tag has a 7 in the tens place. It has a 3 in the ones place. What is the number on Pal's tag?

○ 17　　○ 37　　○ 30　　● 73

**2** Fill in the correct answer.

**a** Pencil Puppy's house number has a 3 in the tens place.
It has a 5 in the ones place.
What is Pencil Puppy's house number? __**35**__

**b** Pal's house number has a 7 in the ones place.
It has a 4 in the tens place.
What is Pal's house number? __**47**__

**3** Pencil Puppy has 43 pencils in her house. Pal has 29 pencils in his house. How many pencils do they have in all? Use numbers, pictures, and/or words to solve the problem and explain your answer.

**Student work will vary.**

Pencil Puppy and Pal have __**72**__ pencils in all.

*(continued on next page)*

NAME | DATE

## Pencil Puppy & Pal page 2 of 2

**4** Add. Use the pictures of base ten pieces to help. The second set of pieces for each problem is hidden, so you will have to draw them or imagine them.

**a**

36
+ 26
**62**

26

**b**

39
+ 14
**43**

14

**5** When Pencil Puppy does 2-digit addition, she adds the tens first. Next, she adds the ones. Then she adds the two numbers to get the answer. Try her strategy.

**ex**

| Tens | Ones |
|------|------|
| 3 | 7 |
| 2 | 7 |

+

30 + 20 = 50
7 + 7 = 14
50 + 14 = 64

**a**

| Tens | Ones |
|------|------|
| 4 | 8 |
| 3 | 4 |

+

40 + 30 = **70**
8 + 4 = **12**
70 + 12 = **82**

**b**

| Tens | Ones |
|------|------|
| 5 | 8 |
| 2 | 8 |

+

50 + 20 = **70**
8 + 8 = **16**
70 + 16 = **86**

**c**

| Tens | Ones |
|------|------|
| 2 | 5 |
| 6 | 9 |

+

20 + 60 = **80**
5 + 9 = **14**
**80** + **14** = **94**

**d**

| Tens | Ones |
|------|------|
| 3 | 4 |
| 5 | 9 |

+

30 + 50 = **80**
4 + 9 = **13**
**80** + **13** = **93**

**e**

| Tens | Ones |
|------|------|
| 4 | 5 |
| 4 | 6 |

+

40 + 40 = **80**
5 + 6 = **11**
**80** + **11** = **91**

**NAME** | **DATE**

## Subtraction & Graphing Practice page 1 of 2

DJ Hopper makes hops on the number line to solve 2-digit subtraction problems.

Here's how he solved 53 − 26:

- Start at 26.
- Hop up to 30.
- Now hop up to 50.
- Then hop up to 53 and add up all your hops. That tells how far it is from 26 to 53.

$$4 + 20 + 3 = 27$$ so 53 − 26 = __27__

**1** Try DJ's number line strategy to solve these subtraction problems.

**a** 45 − 17

$$3 + 20 + 5 = 28$$ so 45 − 17 = __28__

**b** 54 − 25

$$5 + 20 + 4 = 29$$ so 54 − 25 = __29__

**c** 57 − 18

**Student work will vary.** so 57 − 18 = __39__

*(continued on next page)*

**NAME** _____ | **DATE** _____

## Subtraction & Graphing Practice  page 2 of 2

## Favorite Pets

**2** The second graders in Ms. Nelson's class made a graph with pictures to show their favorite pets. Each student put one picture on the graph to show his or her favorite pet. Use their graph to help answer the questions below.
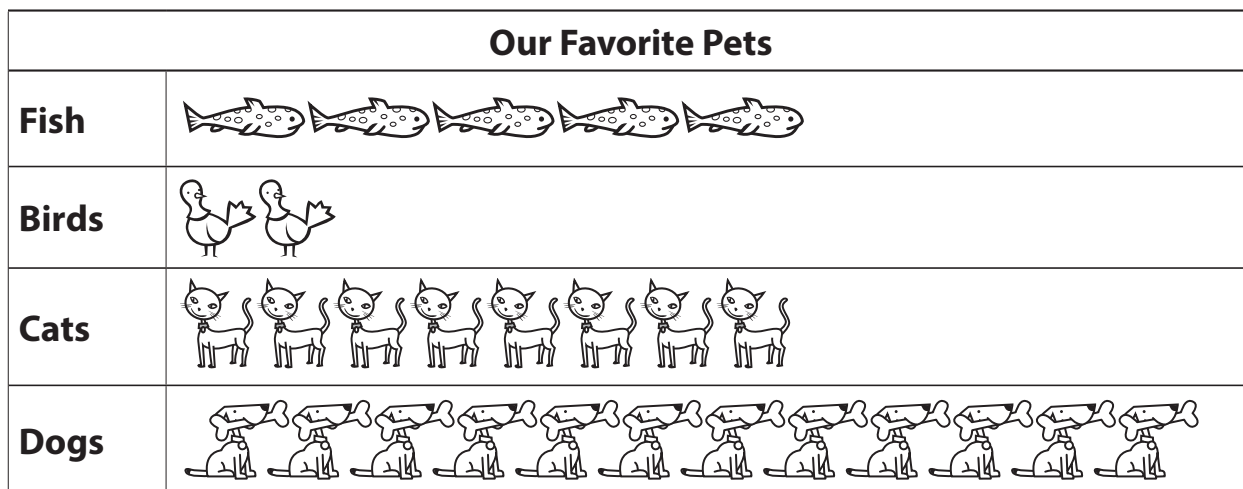
| **Our Favorite Pets** | |
|---|---|
| **Fish** | 🐟🐟🐟🐟🐟 |
| **Birds** | 🦆🦆 |
| **Cats** | 🐱🐱🐱🐱🐱🐱🐱🐱 |
| **Dogs** | 🐕🐕🐕🐕🐕🐕🐕🐕🐕🐕🐕🐕 |

**a**  Which pet did most kids like the best? _____**Dogs**_____

**b**  How many more kids like dogs than fish the best? _____**7**_____

**c**  How many fewer kids like birds than cats the best? _____**6**_____

**d**  Write an equation to show how many kids put pictures on this graph.

**Student work will vary.**        **5 + 2 + 8 + 12 = 27**

**3** The kids in Ms. Nelson's class did a survey of all the second grades to find out about kids' favorite pets. Use their chart to help answer the questions below.

**a**  How many more kids like fish than birds the best? Show your work.

**Student work will vary.**
**17 – 8 = 9**

| **2nd Grade Favorite Pets** | |
|---|---|
| **Pets** | **Number of Kids** |
| Fish | 17 |
| Birds | 8 |
| Cats | 45 |
| Dogs | 62 |

**b**  How many more kids like dogs than cats the best? Show your work.
**Student work will vary.**
**62 – 45 = 17**

**NAME** _____ | DATE _____

## 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.

| 6 | 7 | 2 |
|---|---|---|
| 1 | 5 | 9 |
| 8 | 3 | 4 |

The magic number is __15__.

| 4 | 3 | 8 |
|---|---|---|
| 9 | 5 | 1 |
| 2 | 7 | 6 |

The magic number is __15__.

| 4 | 9 | 2 |
|---|---|---|
| 3 | 5 | 7 |
| 8 | 1 | 6 |

The magic number is __15__.

| 8 | 1 | 6 |
|---|---|---|
| 3 | 5 | 7 |
| 4 | 9 | 2 |

The magic number is __15__.

| 2 | 7 | 6 |
|---|---|---|
| 9 | 5 | 1 |
| 4 | 3 | 8 |

The magic number is __15__.

| 6 | 1 | 8 |
|---|---|---|
| 7 | 5 | 3 |
| 2 | 9 | 4 |

The magic number is __15__.