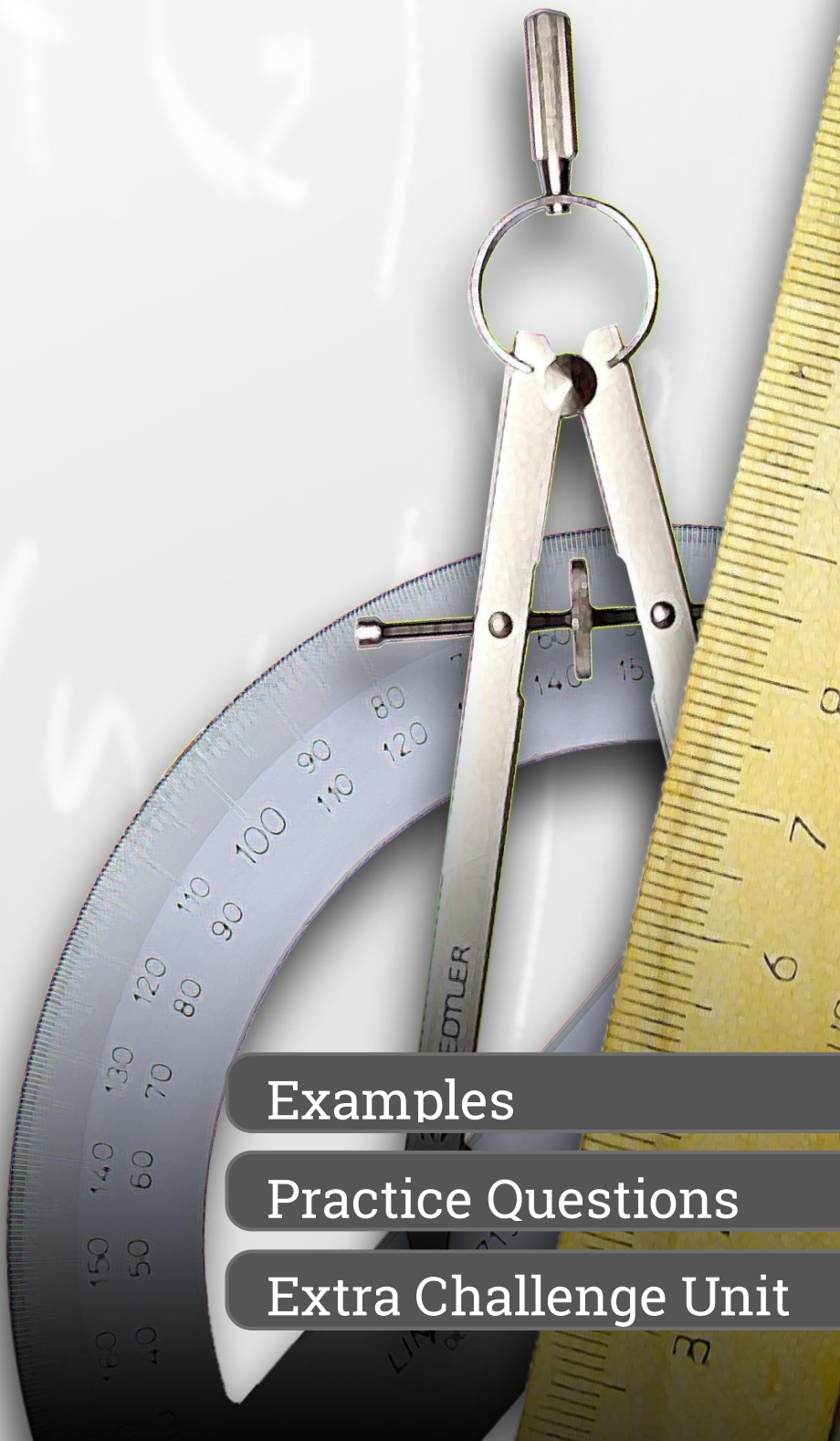
Grade 1 – Lesson 4

Math Practice

Addition Exploration Part II



- Examples
- Practice Questions
- Extra Challenge Unit

Student Name

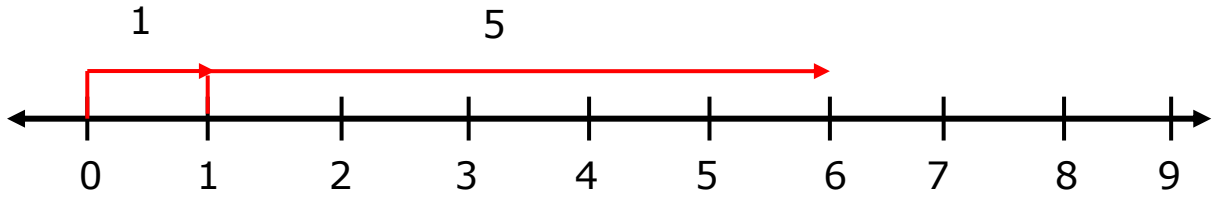
_____

Unit 4.1

Addition Using a Number Line

Example

Write an addition sentence using a number line.

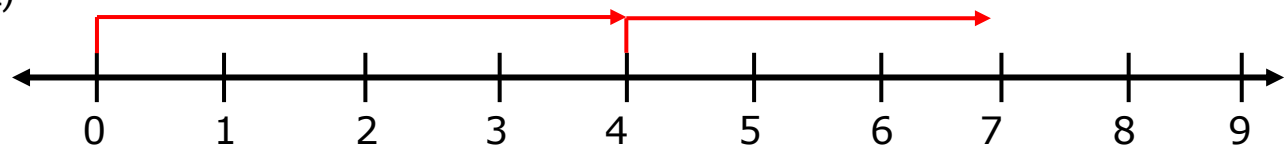


1 + 5 = 6

Exercise

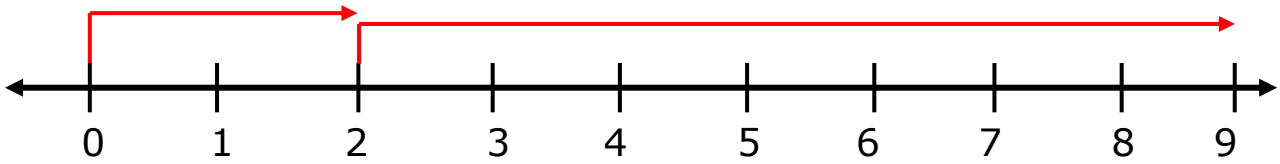
1. Write an addition sentence and solve.

a)



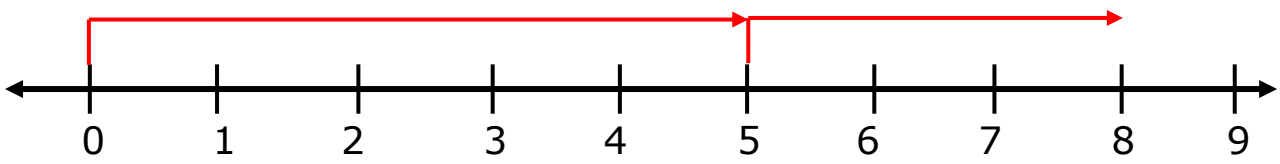
4 + ____ = 7

b)



____ + 7 = ____

c)



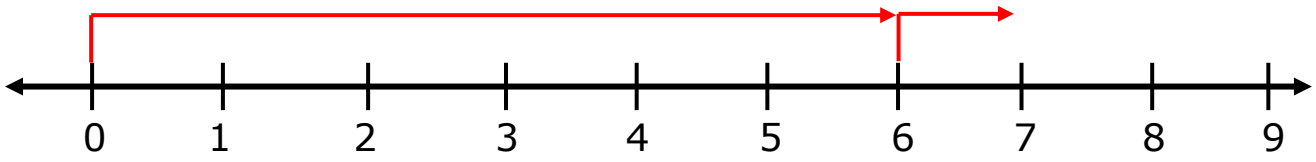
____ + ____ = ____

Unit 4.1

Addition Using a Number Line

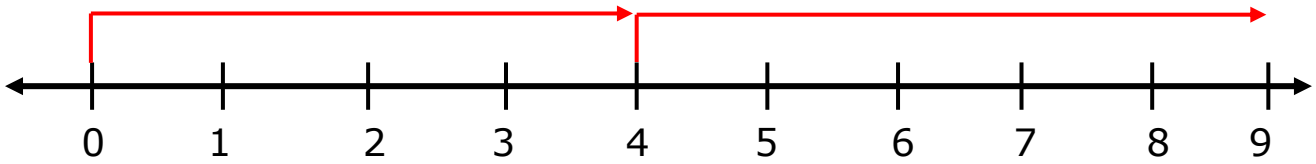
Exercise

d)



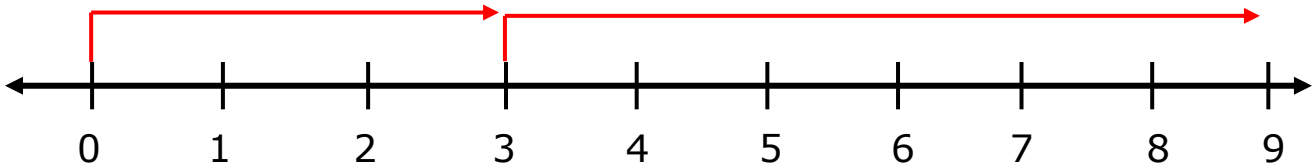
____ + ____ = ____

e)



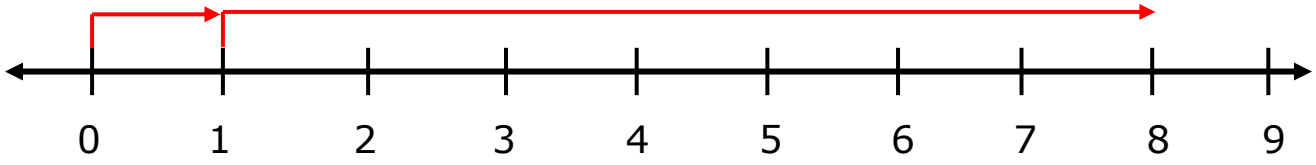
____ + ____ = ____

f)



____ + ____ = ____

g)



____ + ____ = ____

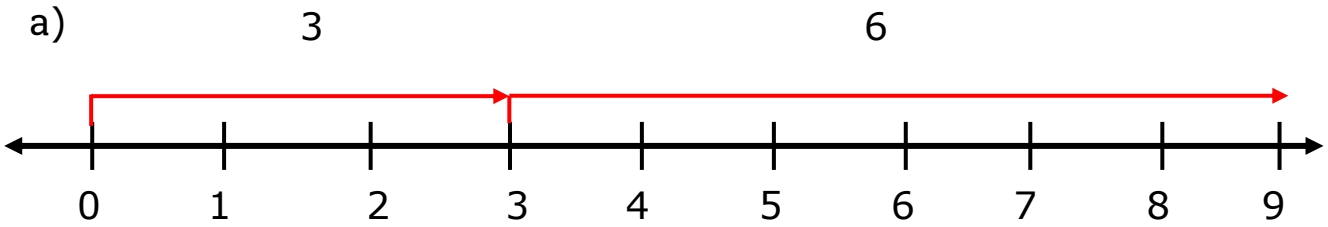
Unit 4.1

Addition Using a Number Line

Exercise

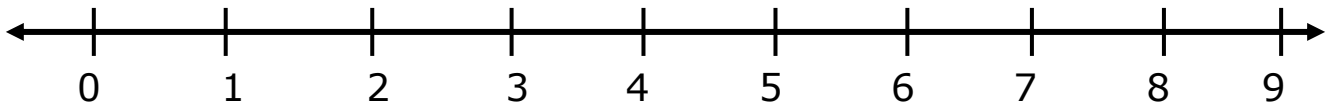
2. Draw the lines and add.

a)



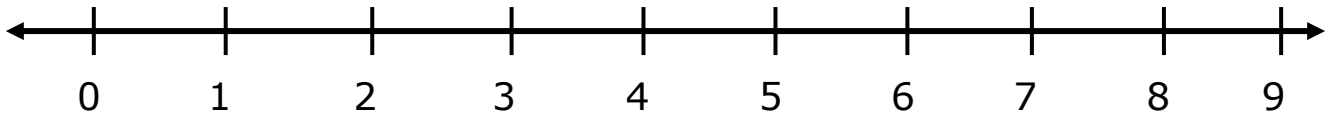
3 + 6 = ____

b)



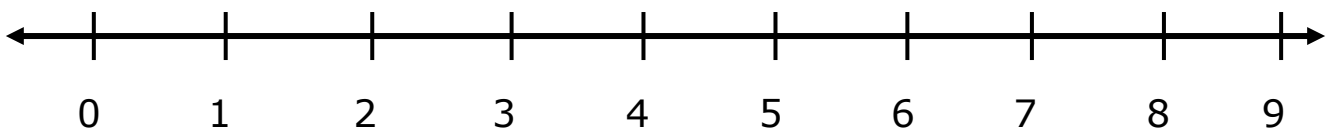
1 + 6 = ____

c)



5 + 3 = ____

d)



1 + 4 = ____

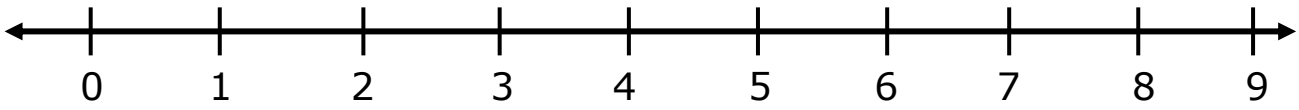
Unit 4.1

Addition Using a Number Line

Exercise

Solve the problems below.

3. Six girls were playing.
   Three more girls joined them.
   Use the number line to show the total number of girls.



Write an addition sentence.

☐ + ☐ = ☐

4. Elisa has 5 dogs.
   She has 2 cats.
   How many pets does Elisa have? Circle the correct answer.

a) 2 + 3 = 5 b) 5 + 2 = 7 c) 6 + 1 = 7 d) 1 + 1 = 2

5. You have 5 apples.
   Josh has 4 oranges.
   Draw a number line to show the total number of fruits.

Write an addition sentence.

☐ + ☐ = ☐

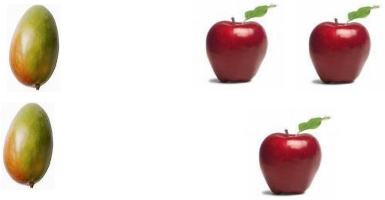
Unit 4.2

Learning Addition Number Sentences

Example

Susan has 2 mangoes.

She has 3 apples too.



How many fruits does Susan have?

2 + 3 = 5

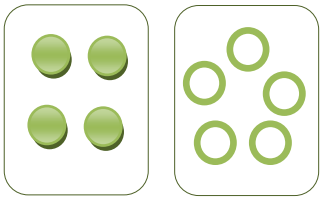
2 plus 3 equals 5.

∴ Susan has 5 fruits in all.

Exercise

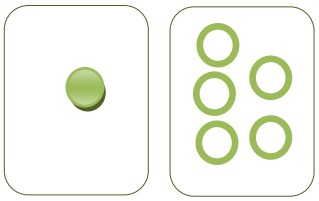
1.Use the picture. Write an addition sentence.

a)



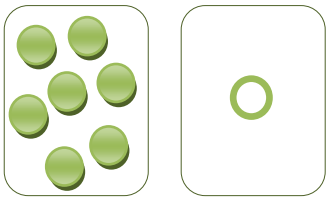
4 + 5 = ___

b)



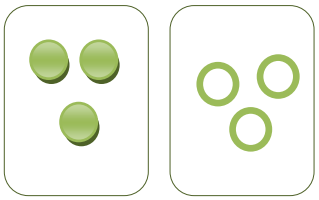
___ + ___ = ___

c)



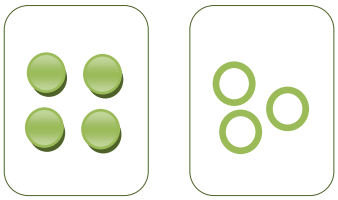
___ + ___ = ___

d)



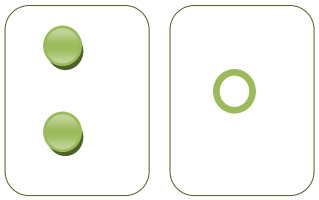
___ + ___ = ___

e)



___ + ___ = ___

f)



___ + ___ =

Unit 4.2

Learning Addition Number Sentences

Exercise

Solve the problems below.

2. Ivanna draws 3 green balloons. She draws 1 red balloon.

   Draw a picture to show the balloons.

   Write an addition sentence.

   _____ + _____ = _____

   How many balloons did Ivanna draw in all? _____

3. Joe counts 5 buses. He counts 2 cars too.
   Which addition sentence show how may vehicles Joe counts in all?

   a) 5 + 1 = 6 b) 5 + 3 = 8

   b) 5 + 4 = 9 d) 5 + 2 = 7

4. There are 4 girls and 5 boys inside a room.
   How many people there in all? _____

   Write an addition sentence.

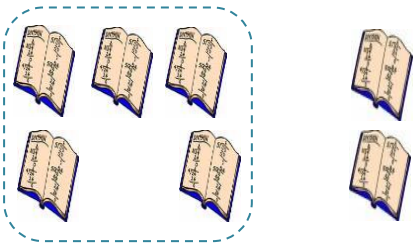
   _____ + _____ = _____

Unit 4.3

Stories about Joining in Addition

Example

Sara puts 5 books in a box.
She puts 2 books outside the box.
How many books are there in all?



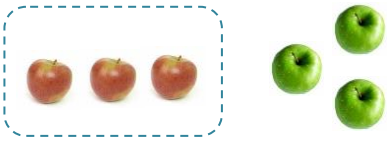
5 + 2 = 7

There are 7 books in total. 7

Exercise

Solve the following problems.

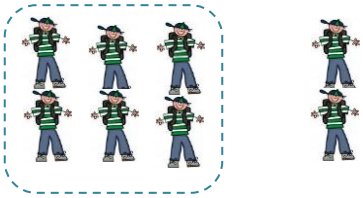
1. Ray has 3 red apples.
He has 3 green apples also.



_____ + _____ = _____

How many apples does Ray have in all? _____

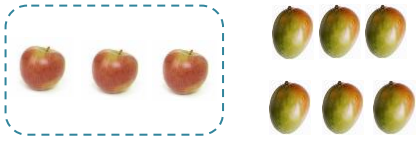
2. 6 children wait for the bus.
2 more children join them.



_____ + _____ = _____

How many children wait for the bus in all? _____

3. I have 3 apples.
John gave me 6 mangoes.



_____ + _____ = _____

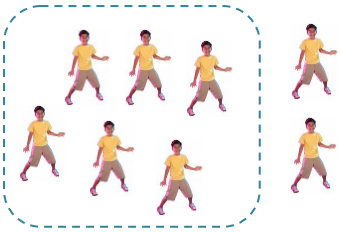
I have _____ fruits altogether.

Unit 4.3

Stories about Joining in Addition

Exercise

4. 6 children are playing a game.
2 more children join them.
How many children are there altogether?
Circle the correct addition sentence.



a) 6 + 1 = 7 b) 6 + 2 = 8

c) 2 + 1 = 3 d) 2 + 4 = 6

5. There are 2 birds in a tree.
5 birds join them.
How many birds are there altogether?
Circle the correct addition sentence.

a) 2 + 3 = 5 b) 3 + 4 = 7

c) 2 + 6 = 3 d) 2 + 5 = 7

6. There are 4 math books in a bookstore.
There are 3 history books too.
How many books are there in all?
Circle the correct addition sentence.

a) 4 + 1 = 5 b) 3 + 1 = 4

c) 4 + 3 = 7 d) 7 + 1 = 8

7. Lisa saw 3 big dogs.
Then she saw 5 small dogs.
How many dogs did Lisa see in all?

Write an addition sentence.

_____ + _____ = _____

Unit 4.3

Stories about Joining in Addition

Exercise

Solve the problems below.

8. There are 3 orange trees.
There are 2 apple trees in a garden.

How many trees are there in all? 5

$$\begin{array}{r} 3 \\ +\ 2 \\ \hline 5 \end{array}$$

9. A boy runs 3 miles on Sunday.
He runs 3 miles on Monday.

How many miles does he run in all? _____

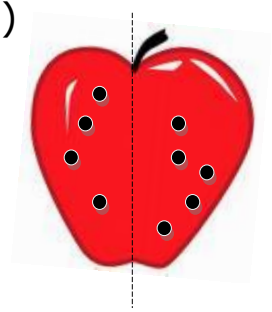
10. Harry has 4 dollars.
Jenny has 4 dollars too.

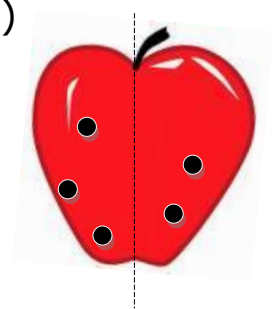
How much money do they have altogether? _____

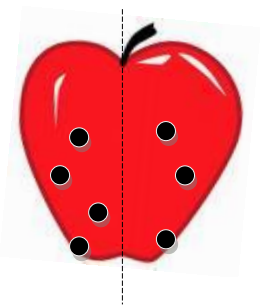
11. A blue pencil is 2 cm long.
A red pencil is 5 cm long.

Find the total length of these two pencils. _____

12. Count the seeds in the apples.
How many seeds are there in all? Write the addition sentences.

a) 

b) 

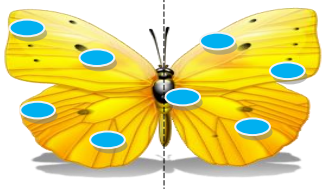
c) 

Unit 4.3

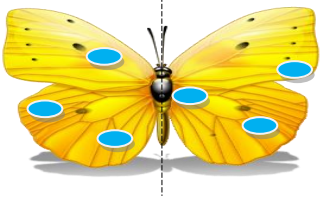
Stories about Joining in Addition

Exercise

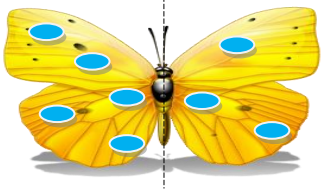
13. Write addition sentence to count the spots.

a) 

____ + ____ = ____

b) 

____ + ____ = ____

c) 

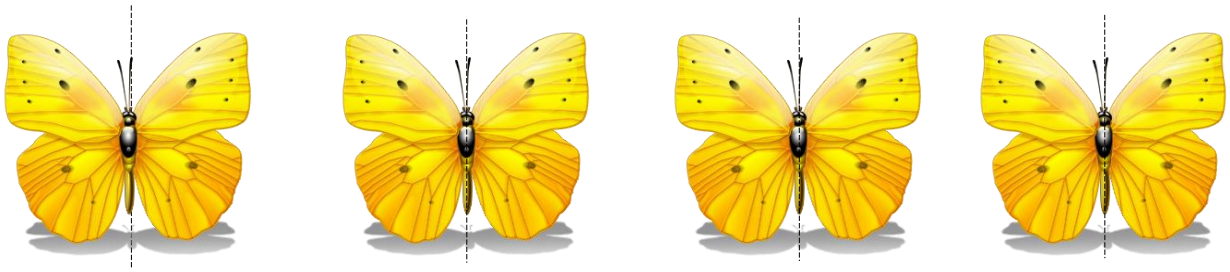
____ + ____ = ____

The first butterfly has ____ spots in total

The second butterfly has ____ spots in total.

The third butterfly has ____ spots in total.

14. Sketch different ways to make 9 spots on the butterflies.



a) Write addition sentence for the first butterfly.

___ + ___ = ___

b) Write addition sentence for the second butterfly.

___ + ___ = ___

c) Write addition sentence for the third butterfly.

___ + ___ = ___

d) Write addition sentence for the fourth butterfly.

____ + ____ = ____

Unit 4.4

Order in Addition

Example

Vertical order of addition	Horizontal order of addition
$\begin{array}{r} 3 \\ +\ 6 \\ \hline 9 \end{array}$ $\quad$ $\begin{array}{r} 6 \\ +\ 3 \\ \hline 9 \end{array}$	$3 + 6 = 9$ $6 + 3 = 9$

Exercise

1. Find the sum.

a)

3 + 5 = 8

5 + 3 = ____

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

b)

6 + 1 = ____

1 + 6 = ____

$\begin{array}{r} 6 \\ +\ 1 \\ \hline \end{array}$ $\quad$ $\begin{array}{r} 1 \\ +\ 6 \\ \hline \end{array}$

c)

5 + 4 = ____

4 + 5 = ____

$\begin{array}{r} 5 \\ +\ 4 \\ \hline \end{array}$ $\quad$ $\begin{array}{r} 4 \\ +\ 5 \\ \hline \end{array}$

d)

2 + 4 = ____

4 + 2 = ____

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

Unit 4.4

Order in Addition

Exercise

2. Find the sum.

a) 7 + 1 = _____

1 + 7 = _____

7	1
+ 1	+ 7

---

b) 0 + 2 = _____

2 + 0 = _____

0	2
+ 2	+ 0

---

c) 3 + 4 = _____

4 + 3 = _____

3	3
+ 3	+ 3

---

d) 1 + 4 = _____

4 + 1 = _____

1	4
+ 4	+ 1

3. Can you find addition facts in this puzzle? Circle each addition fact. Do not forget to add the '+ and =' signs.

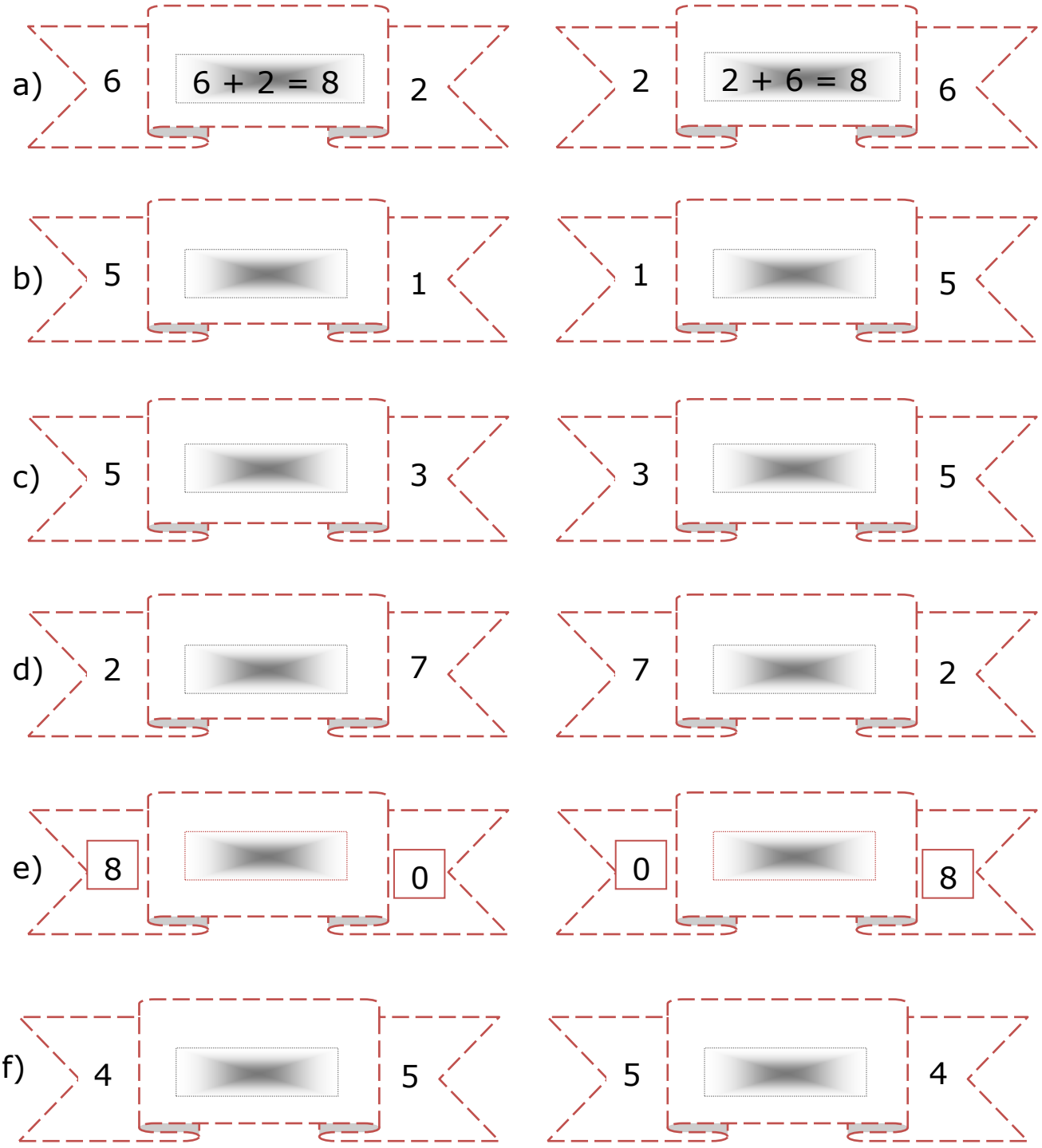
1	3	5	0
+			
4	2	6	1
=			
5	3 + 2 = 5		
4	4	8	6

Unit 4.4

Order in Addition

Exercise

4. Write the addition sentences and add.



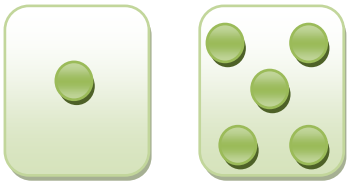
Unit 4.5

Problem Solving

Example

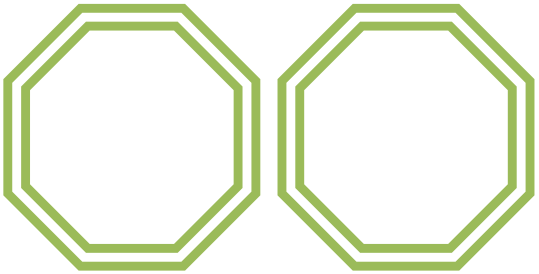
Olive has 6 green stickers in all.
She puts them on two square cards.

She can arrange them in any way.



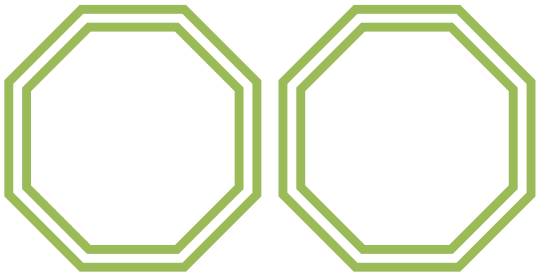
Exercise

Solve the problems below.



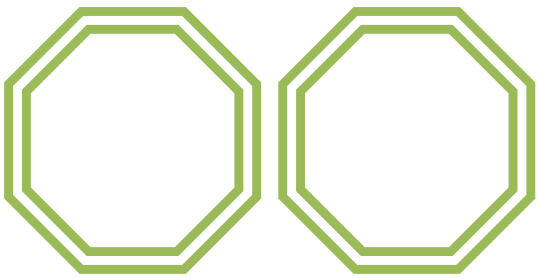
1. Ricky has 7 eggs.
He puts them on two plates.

Show the ways that Ricky can arrange the eggs on the two plates.



Write the addition sentences used to arrange the eggs.

	+	4	=	7
	+	2	=	7
1	+		=	7



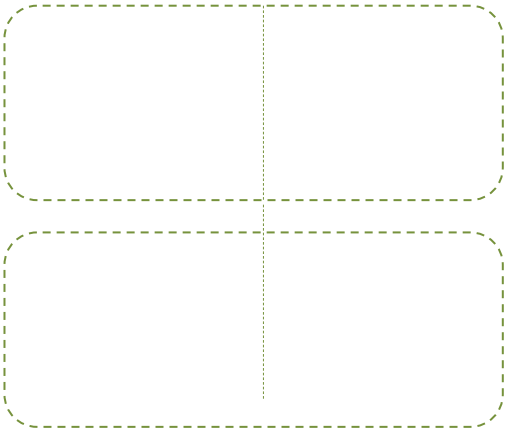
Unit 4.5

Problem Solving

Exercise

2. Sara has 5 books.
She put them on two tables.

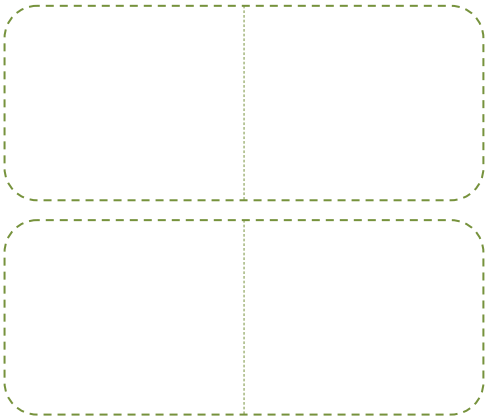
Show the ways Sara can do this.
Write the addition sentences.



3	+	2	=	
1	+	4	=	

3. John has 7 stickers.
He puts them on two cards.

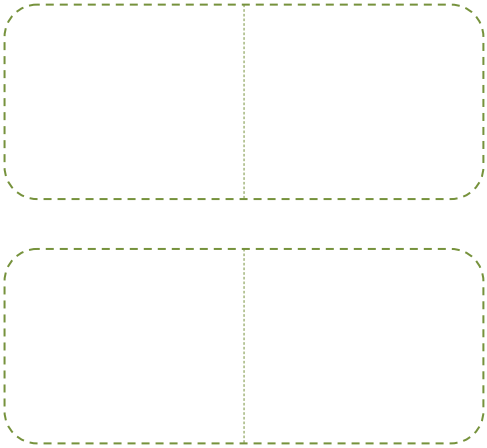
Show the ways John can do this.
Write the addition sentences.



	+		=	
	+		=	

4. John has 6 balloons.
He puts them on two packets.

Show the ways John can do this.
Write addition sentences.



	+		=	
	+		=	

Unit 4.5

Problem Solving

Exercise

5. Lisa has 9 toy cars.
She packs them in three bags.

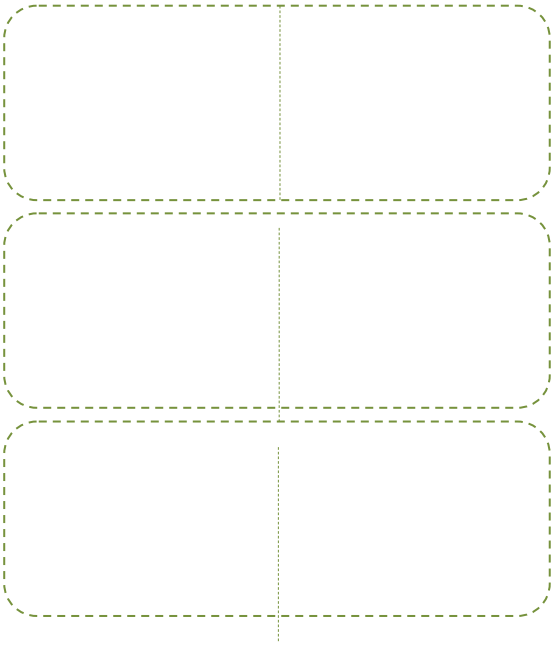
In what different ways can Lisa pack the toy cars?

Write the addition sentences also.

☐ + ☐ = ☐

☐ + ☐ = ☐

☐ + ☐ = ☐



6. Tony has 4 hats.
He packs them into three boxes.

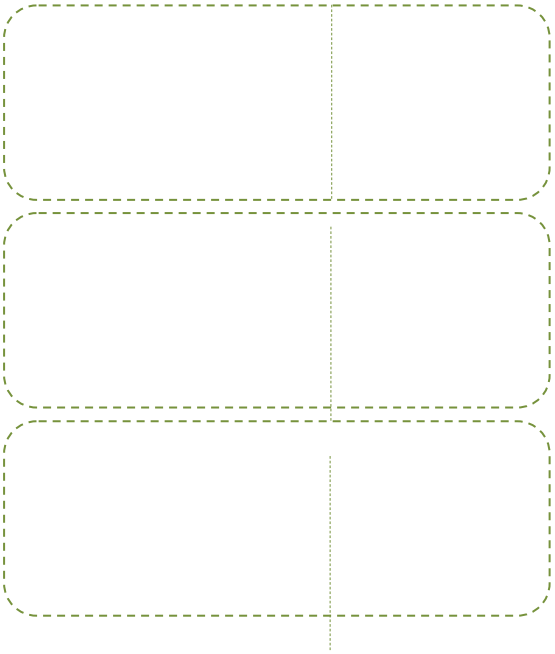
Show the different ways that Tony can pack the hats.

Write the addition sentences also.

☐ + ☐ = ☐

☐ + ☐ = ☐

☐ + ☐ = ☐



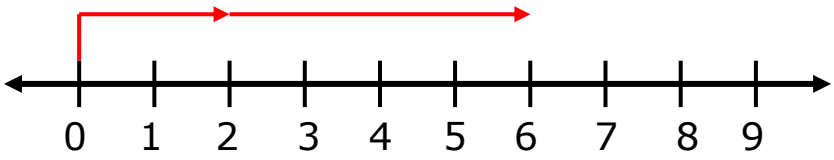
Unit 4.6

Math Challenges

Exercise

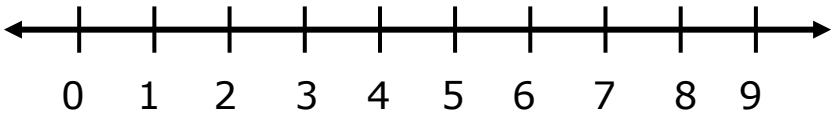
1. Use the Number line to add.

a)



☐ + ☐ = ☐

b)



3 + 5 = ☐

2. Solve the problem below.

a) Michael has 5 sweets.
He put them on three plates.

Show the ways that Michael can put the sweets on the plates.

Write the addition sentences also.

☐ + ☐ = ☐

☐ + ☐ = ☐

☐ + ☐ = ☐

Exercise

b) Kyle has 7 basketball trading cards. If Omar gives Kyle 2 more cards, how many cards will Kyle have in total?

☐ + ☐ = ☐

Kyle will have _____ basketball trading cards in total.

c) Philip has 4 toys. His friend Edgar has 2 toys. How many toys do they have in all?

☐ + ☐ = ☐

They have ____ toys in all.

3. Find the sum.

a)

5 + 3 = ☐

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

b)

6 + 1 = ☐

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

Unit 4.6

Math Challenges

Exercise

Circle the missing number.

4. $2 + ? = 7$
   $? + 2 = 7$
   a) 2 b) 9 c) 5 d) 7

5. $5 + ? = 8$
   $? + 5 = 8$
   a) 5 b) 3 c) 6 d) 4

6. $? + 3 = 4$
   $3 + ? = 4$
   a) 4 b) 1 c) 3 d) 2

7. $? + 6 = 8$
   $6 + ? = 8$
   a) 2 b) 6 c) 8 d) 3

8. $6 + ? = 6$
   $? + 6 = 6$
   a) 6 b) 4 c) 3 d) 0

9. $1 + ? = 7$
   $? + 1 = 7$
   a) 4 b) 5 c) 6 d) 7

10. Emily spent $2 on Monday, $5 on Tuesday, and $1 on Friday.

    What amount did Emily spend in total?

Unit 4.6

Math Challenges

Exercise

11. A family has 3 men, 2 women, and 4 children.

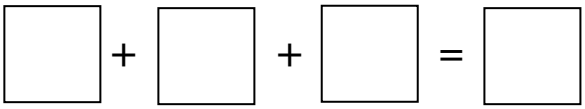
How many people are there in that family?

a) 6 b) 7 c) 8 d) 9

12. A shopkeeper sells goods costing $3 on the first day, goods costing $2 on the second day, and goods costing $2 on the third day. How much is his sale in these three days?

a) $9 b) $7 c) $6 d) $8

13. Michel has 2 dogs, 1 cat, and 3 mice. How many pets does Michel have in total?

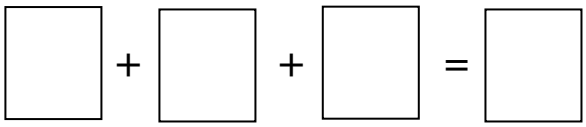


14. How many ears, eyes, and mouth do you have?

a) 3 b) 2 c) 4 d) 5

15. Solve the problems below.

a) Susan has 3 cats.
George has 2 fish.
Maria has 4 birds.
How many animals do they have altogether? _____



How many creatures do they have altogether? _____

Unit 4.6

Math Challenges

Exercise

b) Bianca has 5 pennies, 2 dimes, and 1 nickel.

Bianca has _____ coins in all. ☐ + ☐ + ☐ = ☐

c) Paul walked 4 steps on Sunday, 2 steps on Monday, and 3 steps on Tuesday.

☐ + ☐ + ☐ = ☐

How many steps did he walk altogether? _____

d) 6 students are reading books.
3 students are playing.

☐ + ☐ = ☐

How many students are there altogether? _____

e) William spent $3 on Friday, $2 on Saturday, and $3 on Sunday.

How much did he spend in these three days? _____

f) Tamika saw 2 big dogs.
She saw 4 middle size dogs.
Then she saw 1 small dog.

☐ + ☐ + ☐ = ☐

How many dogs did Tamika see in all? _____

Congratulations!

You have finished a lesson. You should be very proud of yourself.
Now it is time to progress to the next lesson.
Your next assignment is notated by a green arrow.

Lesson 1 Numbers Exploration to 12
Lesson 2 Number Comparing and Ordering
Lesson 3 Addition Exploration Part I
Lesson 4 Addition Exploration Part II
Review 1 Review of Lesson 1, 2, 3, and 4

Unit R1.1 Number Exploration to 12
Unit R1.2 Number Ordering and Comparison
Unit R1.3 Addition Exploration Part I
Unit R1.4 Addition Exploration Part II

Lesson 5 Subtraction Exploration Part I
Lesson 6 Subtraction Exploration Part II
Lesson 7 Introducing Five and Ten Relationship
Lesson 8 Learning Addition Facts up to 12
Review 2 Review of Lesson 5, 6, 7, and 8
Lesson 9 Learning Subtraction Facts up to 12
Lesson 10 Introduction to Geometry Part I
Lesson 11 Introduction to Geometry Part II
Lesson 12 Understanding Patterns
Review 3 Review of Lesson 9, 10, 11, and 12
Lesson 13 Exploring Number Patterns and Counting to 100 Part I
Lesson 14 Exploring Number Patterns and Counting to 100 Part II
Lesson 15 Understanding Tens and Ones
Lesson 16 Number Comparison and Ordering to 100
Review 4 Review of Lesson 13, 14, 15, and 16
Lesson 17 Introduction to Money Counting
Lesson 18 Counting Money
Lesson 19 Measurement Concepts Part I
Lesson 20 Measurement Concepts Part II
Review 5 Review of Lesson 17, 18, 19, and 20
Lesson 21 How to Tell Time Part I
Lesson 22 How to Tell Time Part II
Lesson 23 Introducing Addition Facts to 18
Lesson 24 Introducing Subtraction Facts to 18
Review 6 Review of Lesson 21, 22, 23, and 24
Lesson 25 Data and Graphs Exploration
Lesson 26 Identifying Fractions
Lesson 27 Addition and Subtraction Using Tens and Ones
Review of Lesson 1 to 14
Review of Lesson 15 to 27

Grade 1

Answer Key of Lesson 4

Unit 4.1

1. a) 4+3=7 b) 2+7=9 c) 5+3=8 d) 6+1=7
   e) 4+5=9 f) 3+6=9 g) 1+7=8
2. a) 9 b) 7 c) 8 d) 5
3. 6+3=9 4. b 5. 5+4=9

Unit 4.2

1. a) 4+5=9 b) 1+5=6 c) 7+1=8 d) 3+3=6
   e) 4+3=7 f) 2+1=3
2. 3+1=4 3. d 4. 4+5=9

Unit 4.3

1. 3+3=6 2. 6+2=8 3. 3+6=9 4. b
5. d 6. c
7. 3+5=8 9. 3+3=6 10. 4+4=8 11. 2+5=7
12. a) 4+5=9 b) 3+2=5 c) 4+3=7
13. a) 4+4=8 b) 3+3=6 c) 5+3=8

Unit 4.4

1. a) 8 b) 7 c) 9 d) 6
2. a) 8 b) 2 c) 7 d) 5
3. 4+2=6, 4+4=8, 6+2=8, 1+5=6
4. b) 5+1=6; 1+5=6 c) 5+3=8; 3+5=8
   d) 2+7=9; 7+2=9 e) 8+0=8; 0+8=8
   f) 4+5=9; 5+4=9

Unit 4.5

1. 3+4=7, 5+2=7, 1+6=7
2. 3+2=5, 1+4=5

Unit 4.6

1. a) 2+4=6 b) 8
2. b) 7+2=9 c) 4+2=6
3. a) 8 b) 7
4. c 5. b
6. b 7. a
8. d 9. c
10. 8 11. d
12. b 13. 2+1+3=6
14. d
15. a) 3+2+4=9 b) 5+2+1=8
    c) 4+2+3=9 d) 6+3=9
    e) $8 f) 2+4+1=7