Grade 2 – Lesson 4

Math Practice Sheets

Concepts of Addition

- Examples
- Practice Questions
- Extra Challenge Unit

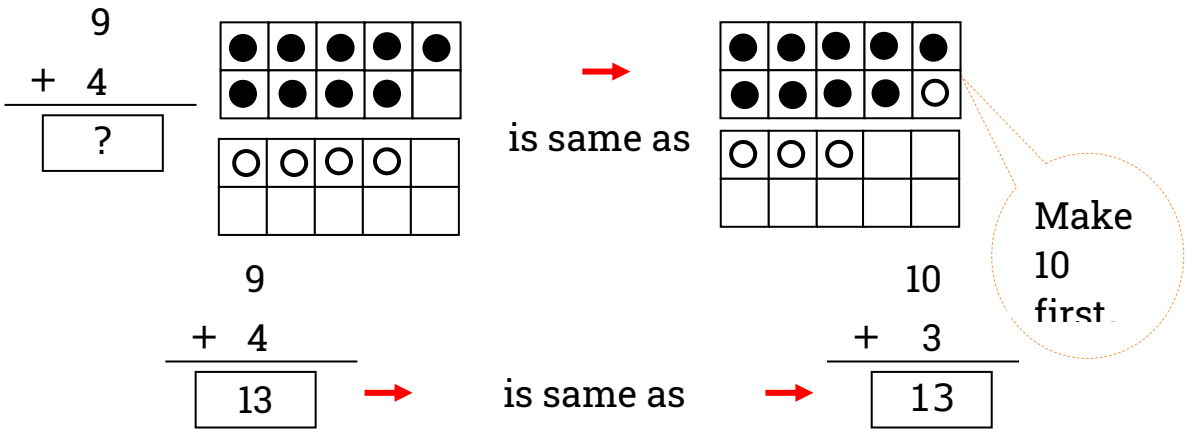
Student Name

_____

Unit 4.1

Add 9

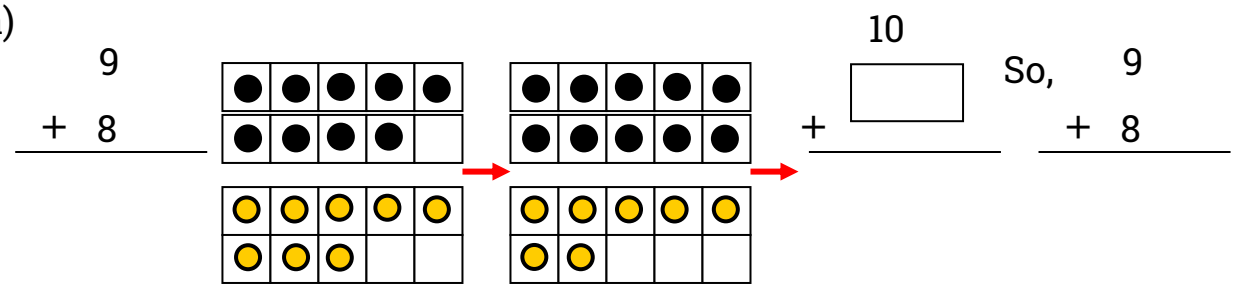
Example



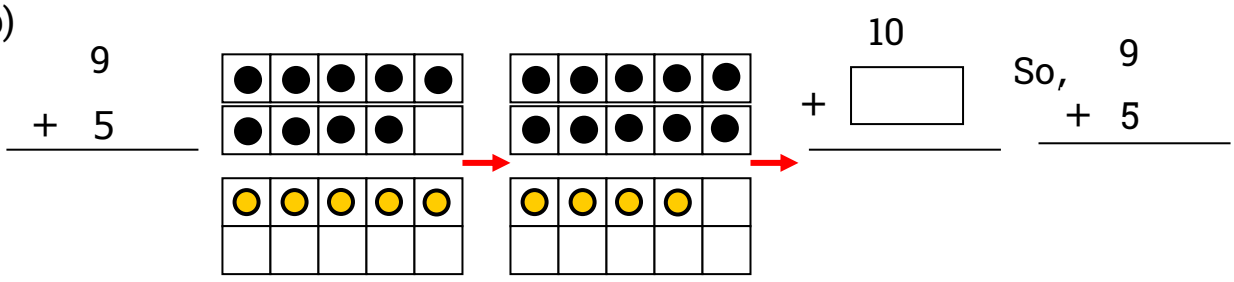
Exercise

1. Complete the following. Make 10 first.

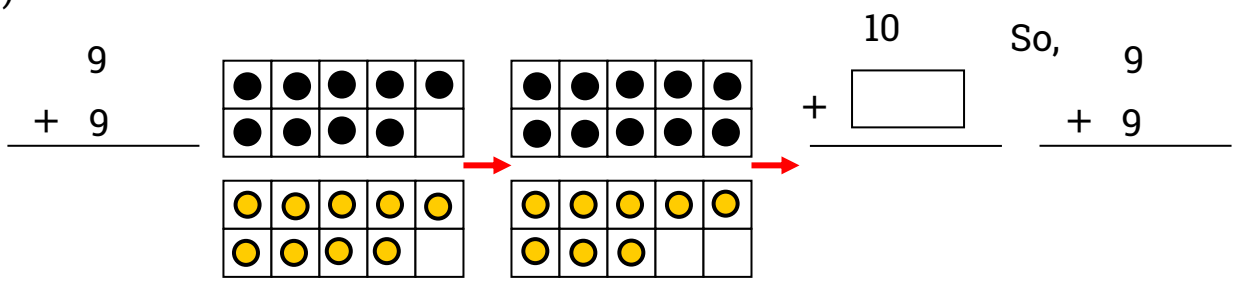
a)



b)



c)



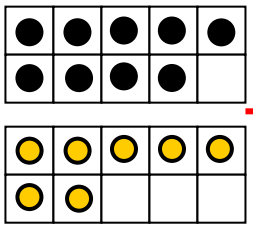
Unit 4.1

Add 9

Exercise

d)

$$\begin{array}{r} 9 \\ +\ 7 \\ \hline \end{array}$$



$$\begin{array}{r} 10 \\ +\ \square \\ \hline \end{array}$$

So,

$$\begin{array}{r} 9 \\ +\ 7 \\ \hline \end{array}$$

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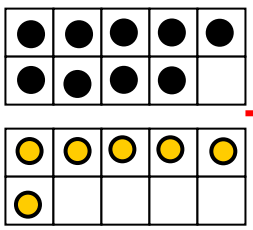
e)

$$\begin{array}{r} 9 \\ +\ 6 \\ \hline \end{array}$$



$$\begin{array}{r} 10 \\ +\ \square \\ \hline \end{array}$$

So,

$$\begin{array}{r} 9 \\ +\ 6 \\ \hline \end{array}$$

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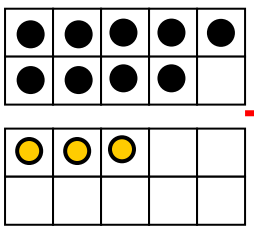
f)

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



$$\begin{array}{r} 10 \\ +\ \square \\ \hline \end{array}$$

So,

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

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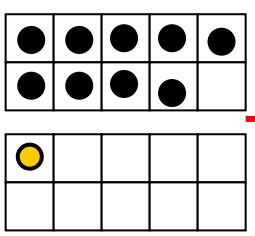
g)

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



$$\begin{array}{r} 10 \\ +\ \square \\ \hline \end{array}$$

So,

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

Unit 4.1

Add 9

Exercise

2. Find the missing numbers.

a) $9 + 6 = \_\_\_\_$

b) $\square + 5 = 15$

c) $9 + \square = 12$

d) $\_\_\_\_ + 1 = 10$

e) $9 + 4 = \_\_\_\_ + 3$

f) $7 + 9 = 10 + \_\_\_\_$

g) $\_\_\_\_ + 6 = 10 + 5$

h) $9 + \_\_\_\_ = 10 + 6$

i) $\_\_\_\_ + 5 = 10 + 4$

j) $9 + 8 = \_\_\_\_ + 7$

Unit 4.1

Add 9

Exercise

Solve the problems below.

3. Ana asked her classmates about the number of their pets. They replied that they have nine rabbits and six cats. How many pets do Ana's classmates have in all?

4. Keisha wrote an addition sentence.
What number makes her addition sentence correct? Circle the correct answer.

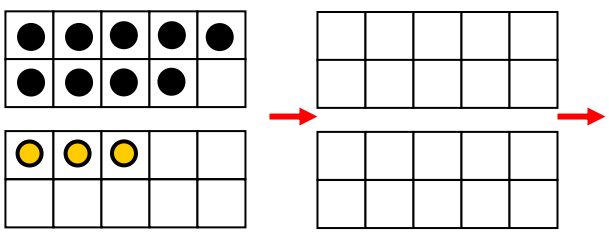
$$9 + \_\_\_\_ = 13$$

a) 5 b) 6

c) 3 d) 4

5. Solve by making 10.

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



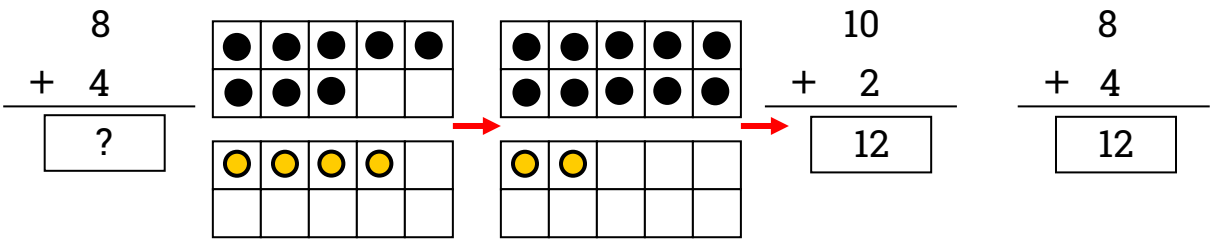
$$\begin{array}{r} 10 \\ +\ \square \\ \hline \square \end{array} \qquad \begin{array}{r} 9 \\ +\ 3 \\ \hline \square \end{array}$$

Unit 4.2

Add 8

Example

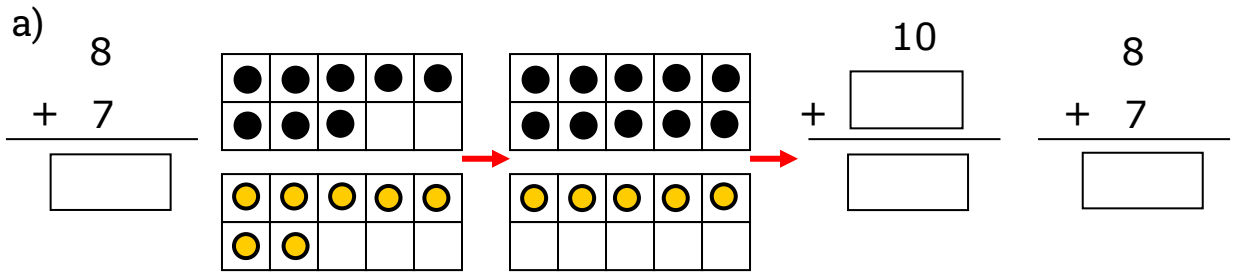
Make 10 first.



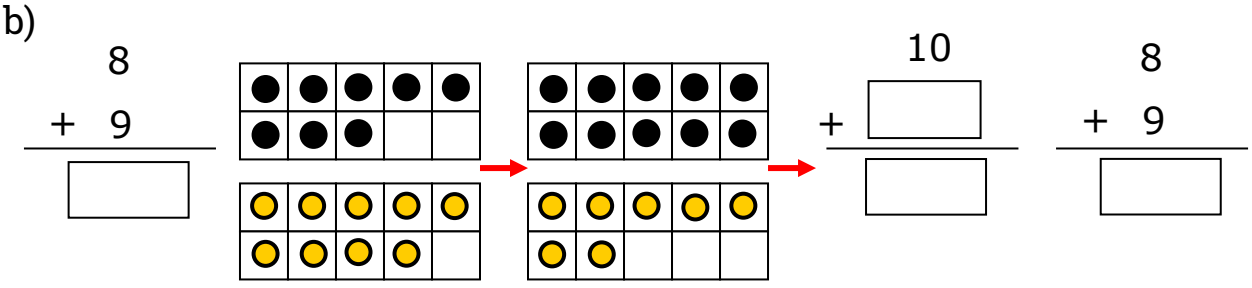
Exercise

1. Complete the following.

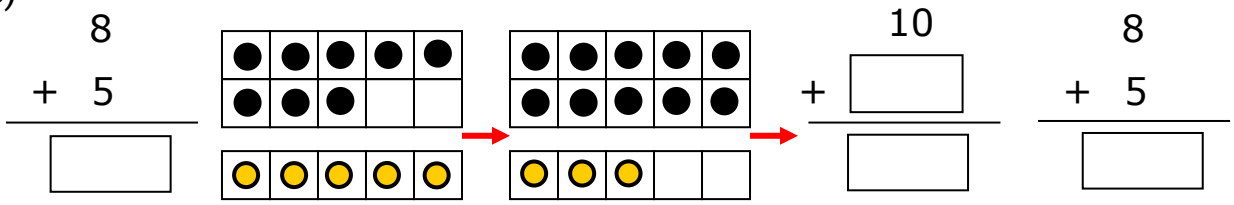
a)



b)



c)

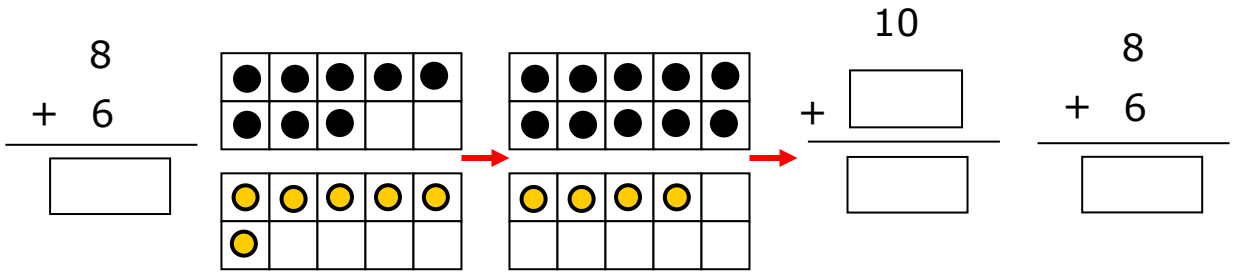


Unit 4.2

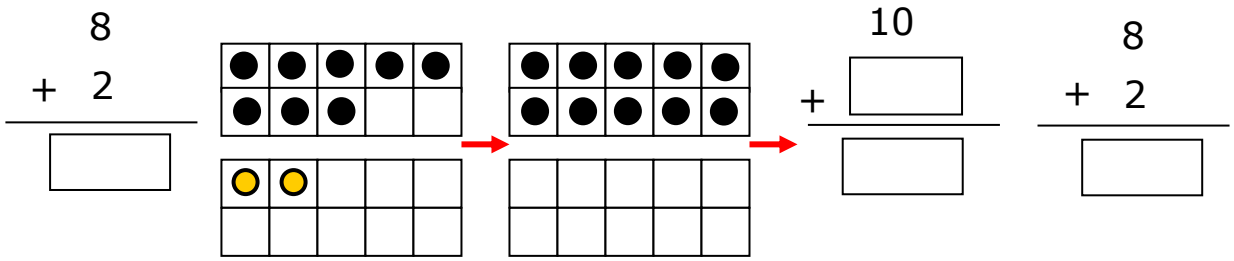
Add 8

Exercise

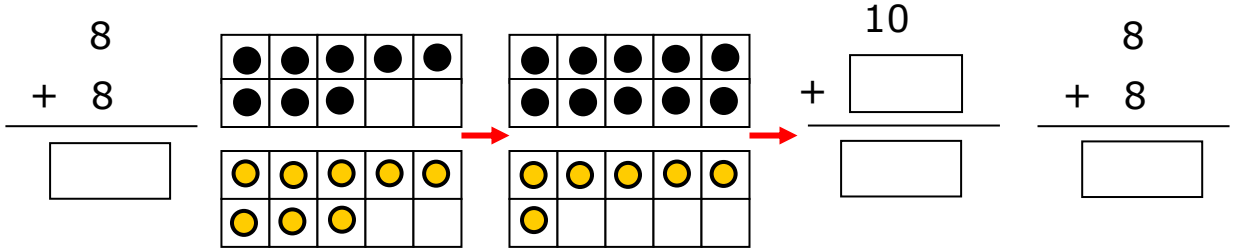
d)



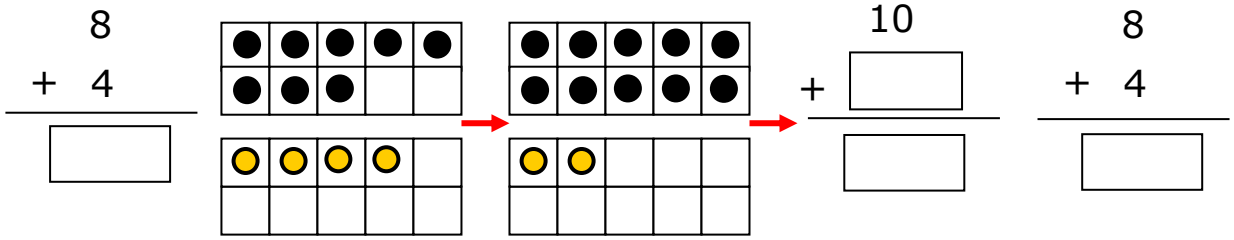
e)



f)



g)



Unit 4.2

Add 8

Exercise

2. Fill in the blanks with the missing numbers.

a) $8 + 6 = \_\_\_$

b) $\square + 5 = 13$

c) $8 + \square = 10$

d) $\_\_\_ + 4 = 12$

e) $8 + 7 = \_\_\_ + 5$

f) $3 + 8 = 10 + \_\_\_$

g) $\_\_\_ + 9 = 10 + 7$

h) $8 + \_\_\_ = 10 + 6$

i) $\_\_\_ + 2 = 10 + 0$

j) $8 + 6 = \_\_\_ + 4$

Unit 4.2

Add 8

Exercise

Solve the problems below.

3. There were 8 cars on a parking Lot.
Then 5 buses parked in the lot.

How many vehicles were in the parking lot in total? Explain.

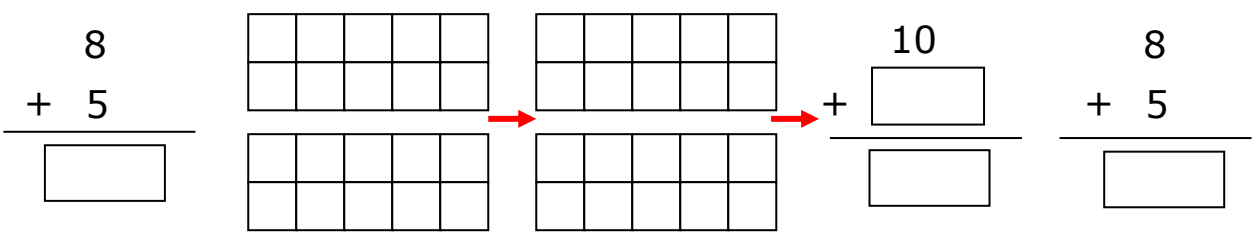
4. Circle the number which makes the given equation true.

____ + 3 = 10 + 1

a) 9 b) 8

c) 7 d) 10

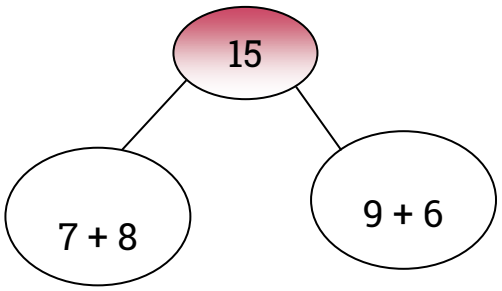
5. Fill in the boxes for the given figures.



Unit 4.3

Balancing Addition Equation

Example



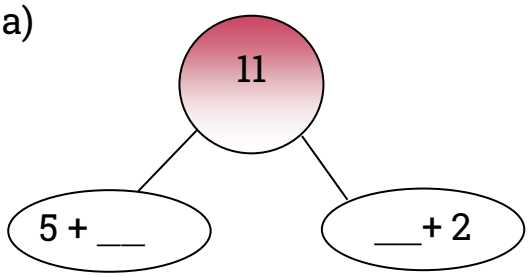
Choose any from right hand side.

0 + 15 = 15
1 + 14 = 15
2 + 13 = 15
3 + 12 = 15
4 + 11 = 15
5 + 10 = 15
6 + 9 = 15
7 + 8 = 15

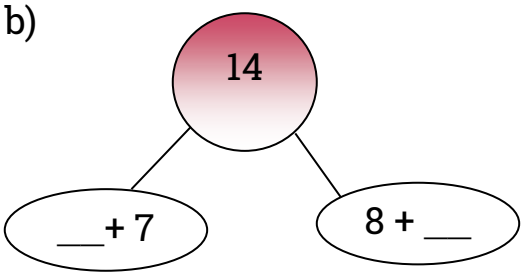
Exercise

1. Fill in the blanks.

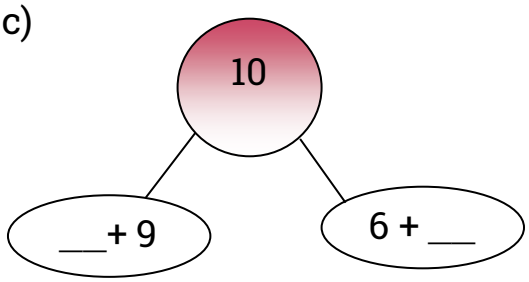
a)



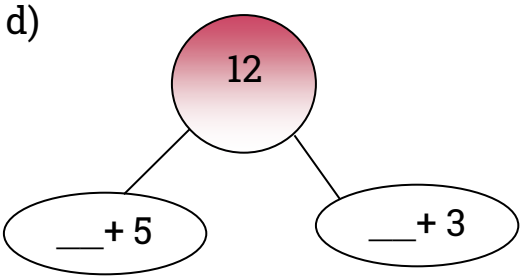
b)



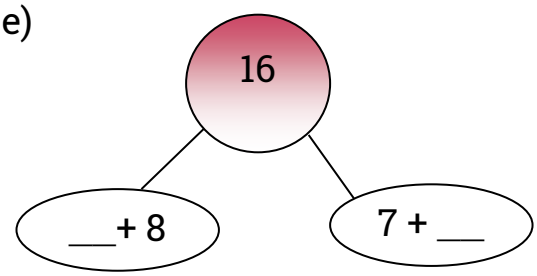
c)



d)



e)



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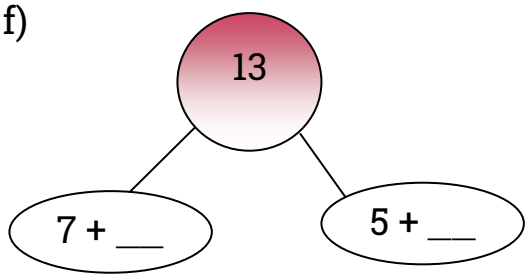


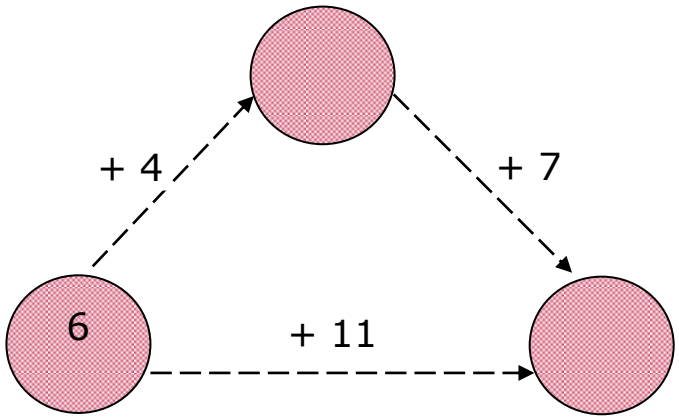
Unit 4.3

Balancing Addition Equation

Exercise

Solve the problems below.

2. Which numbers should be in the empty circles?



3. Circle the correct balance equation.

a) 2 + 1 = 1 + 3

b) 1 + 4 = 4 + 2

c) 2 + 3 = 3 + 4

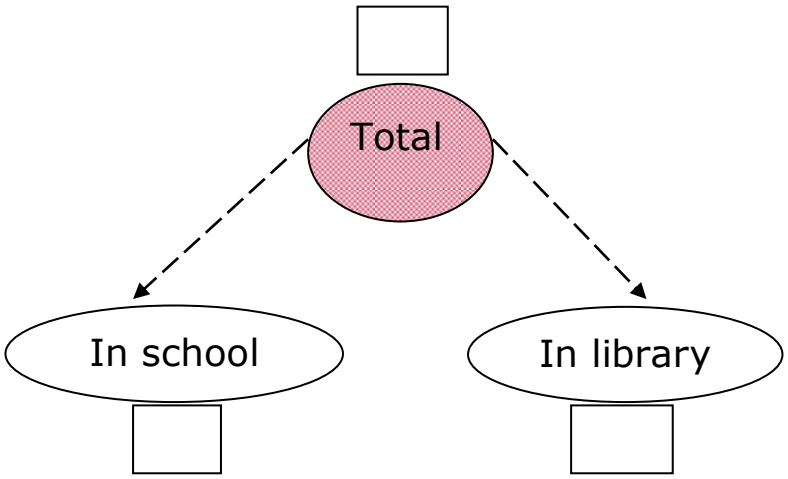
d) 3 + 4 = 4 + 3

4. 3 boys and 2 girls are in the class.
How many students are in the class? _____
2 girls and 3 boys are in the library.
How many students are in the library? _____

Are there same number of students in the class and the library?

Yes No

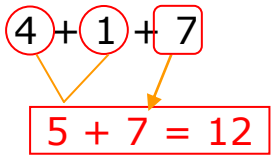
How do you know?



Unit 4.4

Adding Three One-Digit Numbers

Example



Add 4 + 1 + 7.

Pick any two numbers to add first.

4 + 1 = 5

or

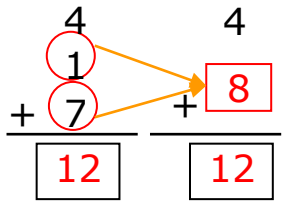
1 + 7 = 8

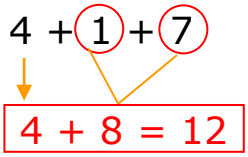
Then add the third one.

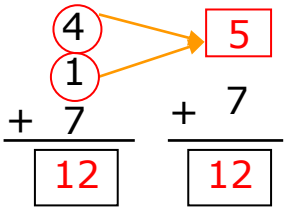
5 + 7 = 12

or

8 + 4 = 12



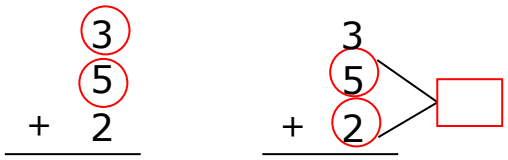




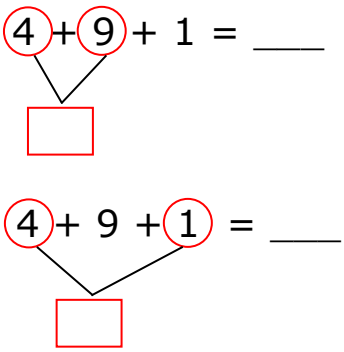
Exercise

1. Find the sum. Circle the two numbers you chose to add first. Then write their sum in the box.

a)



b)

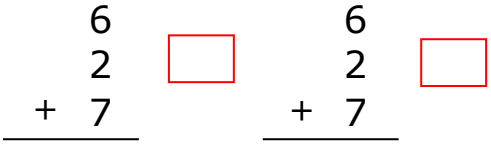


c)

5 + 8 + 4 = ___

5 + 8 + 4 = ___

d)



Unit 4.4

Adding Three One-Digit Numbers

Exercise

2. Write the sum. Circle the two numbers you chose to add first.

a)

$$\begin{array}{r} 4 \\ 8 \\ +\ 1 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 3 \\ 6 \\ +\ 5 \\ \hline \end{array}$$

c) $7 + 3 + 6 = \_\_\_$

d) $4 + 9 + 5 = \_\_\_$

e)

$$\begin{array}{r} 2 \\ 5 \\ +\ 7 \\ \hline \end{array}$$

f)

$$\begin{array}{r} 8 \\ 1 \\ +\ 6 \\ \hline \end{array}$$

g) $4 + 7 + 1 = \_\_\_$

h) $2 + 9 + 7 = \_\_\_$

Unit 4.4

Adding Three One-Digit Numbers

Exercise

Solve the problems below.

3. Bella spent $3 on Wednesday,
$7 on Thursday, and $2 on Friday.
How many dollars did she spend in three days in total?

Write a number sentence to model and solve the problem.

____ + ____ + ____ = ____

____ dollars

4. Johnny has 3 apples.
He buys 2 watermelons.
His uncle gives him 7 bananas.
How many fruits does Johnny have in total?

a) 10 + 1 = 11

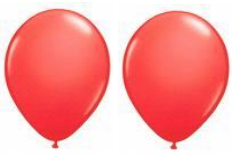
b) 5 + 6 = 11

c) 9 + 2 = 11

d) 10 + 2 = 12

5. Write a story about the given figure.

Red



Yellow

Blue

Unit 4.5

Using Pictures to Solve Addition Sentences

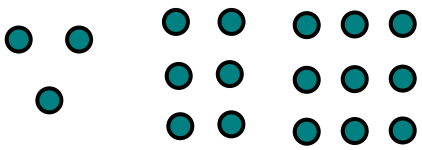
Example

3 countries took part in a meeting. Here is the number of participants.

How many participants from Japan took part in the meeting? 18

Participants			
	1st day	2nd day	3rd day
Japan	2	1	6
UK	2	1	6
USA	4	2	1

18

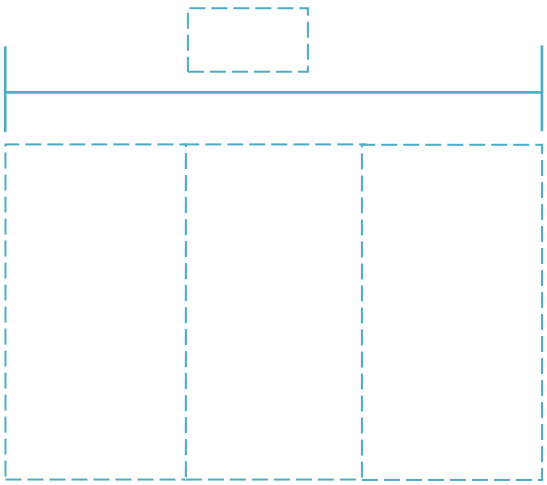


3 + 6 + 9 = 18

Exercise

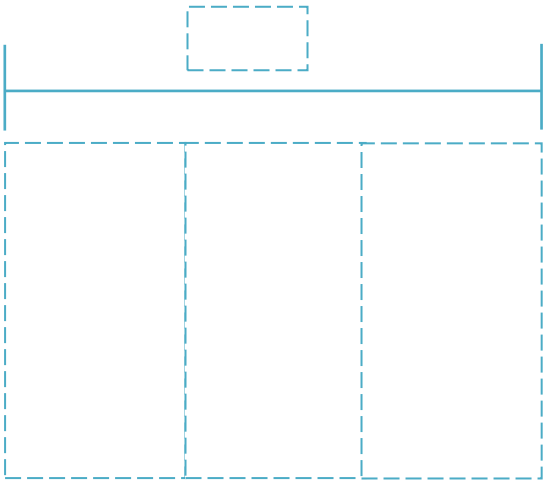
1. Use the table above. Draw counters and write number sentences to solve.

a) How many participants are from the UK?



___ + ___ + ___ = ___

b) How many participants are from the USA?



___ + ___ + ___ = ___

Unit 4.5

Using Pictures to Solve Addition Sentences

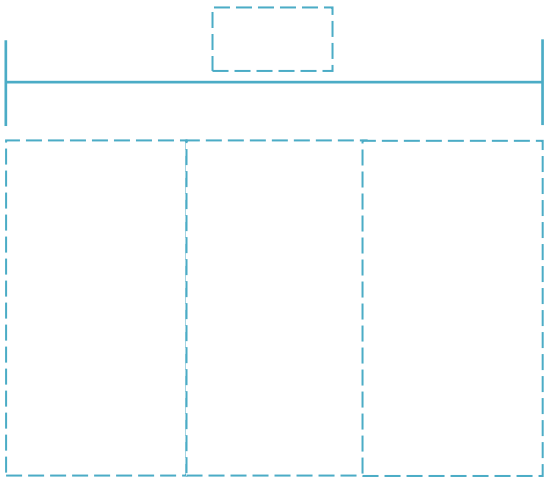
Exercise

2. The table shows number of books that Bella and Mike own.

Library Books			
	 Math	 English	 Science
Bella	4	2	7
Mike	5	3	6

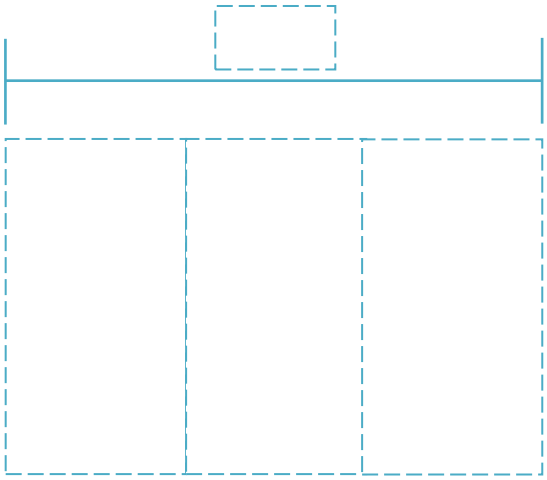
Draw counters and write the number sentences to solve.

a) How many books does Mike own?



___ + ___ + ___ = ___ books

b) How many books does Bella own?



___ + ___ + ___ = ___ books

c) Who own more books? _____

Unit 4.5

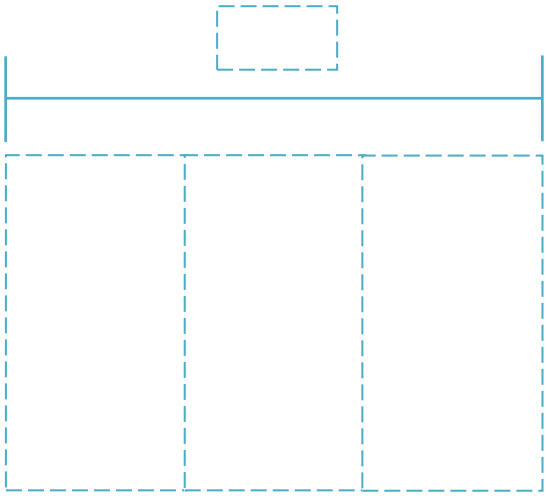
Using Pictures to Solve Addition Sentences

Exercise

3. Use the table to answer the following questions.

Basketball Match Score			
	1st round	2nd round	3rd round
USA	8	4	1
UK	5	5	5
Japan	6	3	5

a) How many points did the UK score in total?



____ + ____ + ____ = ____

b) Which country had the highest score in that match? Circle.

UK USA Japan

c) Which country had the lowest score in the match?

Unit 4.6

Math Challenges

Exercise

1. Find the missing number.

a)

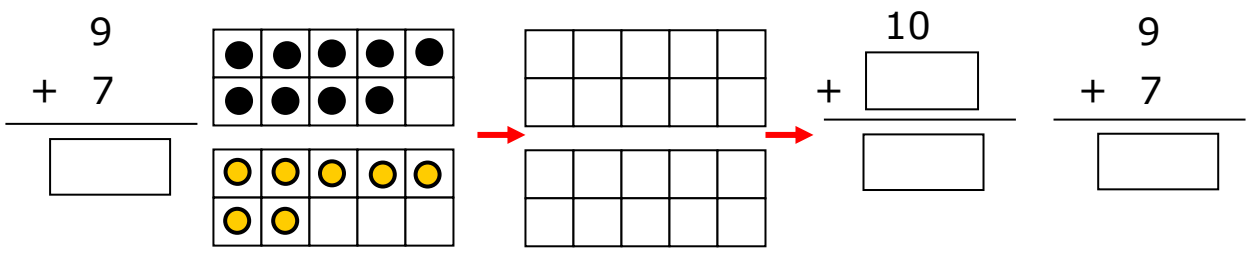
2 + ___ + 5 = 14

b)

6 + ___ + 4 ___= 19

2. Find sum of 5 + 2 + 8 in vertical form and in horizontal form.

3. Write an addition story about 9 + 7.
Show how to solve the story by making 10.



Math Challenges

Exercise

4. Find the missing numbers.

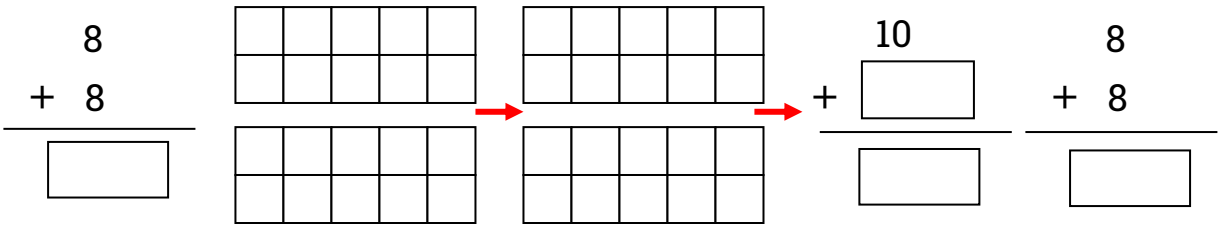
a)

$8 + 7 = \_\_\_ + 2$

b)

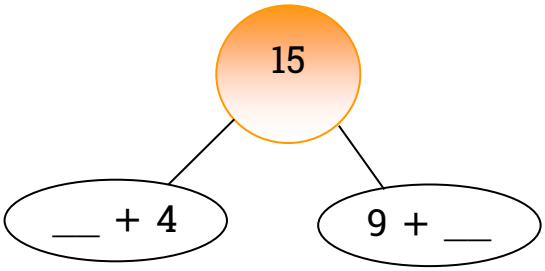
$9 + \_\_\_ = 10 + 6$

5. Fill in the boxes for the given figures.

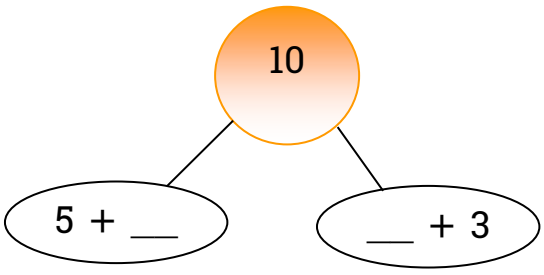


6. Fill in the blanks.

a)



b)



Exercise

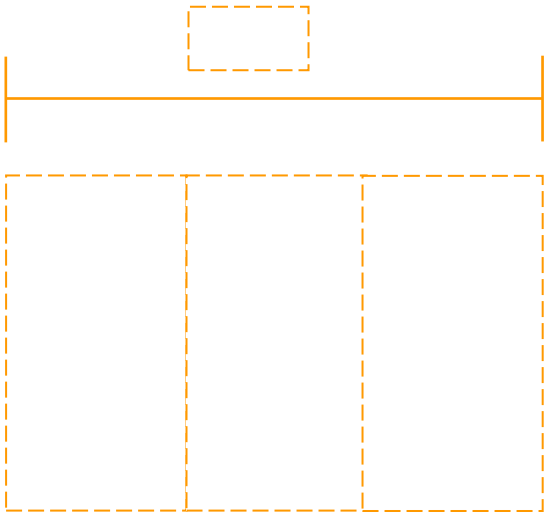
7. There are 13 fruits in all. Write a number sentence for the fruits.

____ + ____ + ____ = 13 fruits

8. Read the table and give the answer.

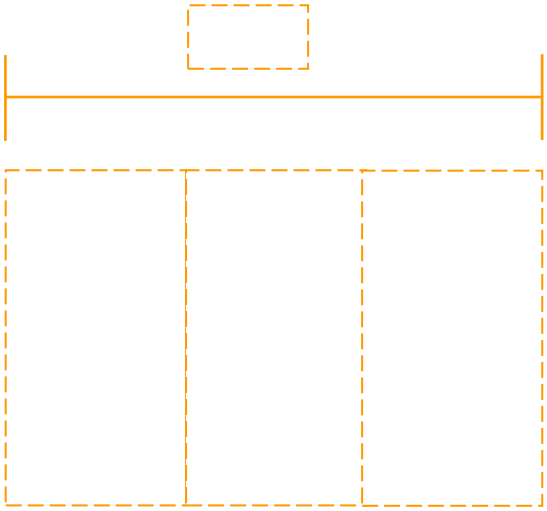
Number of Pets			
			
John	2	3	1
Jerry	4	1	2

a) How many pets does John have in all?



___ + ___ + ___ = ___ pets

b) How many pets does Jerry have in total?



___ + ___ + ___ = ___ pets

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 Introduction to Addition and Subtraction
Lesson 2 Addition and Subtraction
Lesson 3 Addition
Lesson 4 Concepts of Addition
Review 1 Review of Lesson 1, 2, 3, and 4

Unit R1.1 Introduction to Addition and Subtraction
Unit R1.2 Addition and Subtraction
Unit R1.3 Addition
Unit R1.4 Concepts of Addition

Lesson 5 Subtraction
Lesson 6 Concepts of Subtraction
Lesson 7 Learn Place Value up to 100 Part I
Lesson 8 Learn Place Value up to 100 Part II
Review 2 Review of Lesson 5, 6, 7, and 8
Lesson 9 Counting Money Part I
Lesson 10 Counting Money Part II
Lesson 11 Exploring Mental Addition
Lesson 12 Exploring Mental Subtraction
Review 3 Review of Lesson 9, 10, 11, and 12
Lesson 13 Two-Digit Number Addition
Lesson 14 Use of Addition and Subtraction
Lesson 15 Introduction to Geometry Part I
Lesson 16 Introduction to Geometry Part II
Review 4 Review of Lesson 13, 14, 15, and 16
Lesson 17 Understanding Fractions
Lesson 18 Measurement: Length, Area, and Perimeter
Lesson 19 Measurement: Weight and Capacity
Lesson 20 Understand Time and Temperature Part I
Review 5 Review of Lesson 17, 18, 19, and 20
Lesson 21 Understand Time and Temperature Part II
Lesson 22 Probability, Data, and Graphs
Lesson 23 Understanding Patterns and Numbers to 1,000 Part I
Lesson 24 Understanding Patterns and Numbers to 1,000 Part II
Review 6 Review of Lesson 21, 22, 23, and 24
Lesson 25 Three-Digit Addition and Subtraction
Lesson 26 Introducing Multiplication
Lesson 27 Introducing Division
Review of Lesson 1 to 14
Review of Lesson 15 to 27

Grade 2

Answer Key of Lesson 4

Unit 4.1

1. a) $\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$ $\begin{array}{r} 10 \\ +7 \\ \hline 17 \end{array}$ b) $\begin{array}{r} 9 \\ +5 \\ \hline 14 \end{array}$ $\begin{array}{r} 10 \\ +4 \\ \hline 14 \end{array}$ c) $\begin{array}{r} 9 \\ +9 \\ \hline 18 \end{array}$ $\begin{array}{r} 10 \\ +8 \\ \hline 18 \end{array}$ d) $\begin{array}{r} 9 \\ +7 \\ \hline 16 \end{array}$ $\begin{array}{r} 10 \\ +6 \\ \hline 16 \end{array}$

e) $\begin{array}{r} 9 \\ +6 \\ \hline 15 \end{array}$ $\begin{array}{r} 10 \\ +5 \\ \hline 15 \end{array}$ f) $\begin{array}{r} 9 \\ +3 \\ \hline 12 \end{array}$ $\begin{array}{r} 10 \\ +2 \\ \hline 12 \end{array}$ g) $\begin{array}{r} 9 \\ +1 \\ \hline 10 \end{array}$ $\begin{array}{r} 10 \\ +0 \\ \hline 10 \end{array}$

2. a) 15 b) 10 c) 3 d) 9
   e) 10 f) 6 g) 9 h) 7
   i) 9 j) 10
3. 15 4.d 5. $\begin{array}{r} 9 \\ +3 \\ \hline 12 \end{array}$ $\begin{array}{r} 10 \\ +2 \\ \hline 12 \end{array}$

Unit 4.2

1. a) $\begin{array}{r} 8 \\ +7 \\ \hline 15 \end{array}$ $\begin{array}{r} 10 \\ +5 \\ \hline 15 \end{array}$ b) $\begin{array}{r} 8 \\ +9 \\ \hline 17 \end{array}$ $\begin{array}{r} 10 \\ +7 \\ \hline 17 \end{array}$ c) $\begin{array}{r} 8 \\ +5 \\ \hline 13 \end{array}$ $\begin{array}{r} 10 \\ +3 \\ \hline 13 \end{array}$ d) $\begin{array}{r} 8 \\ +6 \\ \hline 14 \end{array}$ $\begin{array}{r} 10 \\ +4 \\ \hline 14 \end{array}$

e) $\begin{array}{r} 8 \\ +2 \\ \hline 10 \end{array}$ $\begin{array}{r} 10 \\ +0 \\ \hline 10 \end{array}$ f) $\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array}$ $\begin{array}{r} 10 \\ +6 \\ \hline 16 \end{array}$ g) $\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$ $\begin{array}{r} 10 \\ +2 \\ \hline 12 \end{array}$

2. a) 14 b) 8 c) 2 d) 8
   e) 10 f) 1 g) 8 h) 8
   i) 8 j) 10
3. 13 4. b 5. $\begin{array}{r} 8 \\ +5 \\ \hline 13 \end{array}$ $\begin{array}{r} 10 \\ +3 \\ \hline 13 \end{array}$

Unit 4.3

1. a) 5+6; 9+2 b) 7+7; 8+6 c) 1+9; 6+4 d) 7+5; 9+3
   e) 8+8; 7+9 f) 7+6; 5+8
2. 17 3. d 4. 5; Yes

Unit 4.4

1. a) 10 b) 14 c) 17 d) 15
2. a) 13 b) 14 c) 16 d) 18
   e) 14 f) 15 g) 12 h) 18
3. 12 4. d 5. 2+4+3=9

Unit 4.5

1. a) 2+1+6=9 b) 4+2+1=7
2. a) 5+3+6=14 b) 4+2+7=13 c) Mike
3. a) 5+5+5=15 b) UK c) USA

Unit 4.6

1. a) 7 b) 9
2. 15 3. $\begin{array}{r} 9 \\ +7 \\ \hline 16 \end{array}$ $\begin{array}{r} 10 \\ +6 \\ \hline 16 \end{array}$ 4. a) 13 b) 7
5. $\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array}$ $\begin{array}{r} 10 \\ +6 \\ \hline 16 \end{array}$ 6. a) 11+4; 9+6 8. a) 2+3+1=6
   b) 5+5; 7+3 b) 4+1+2=7