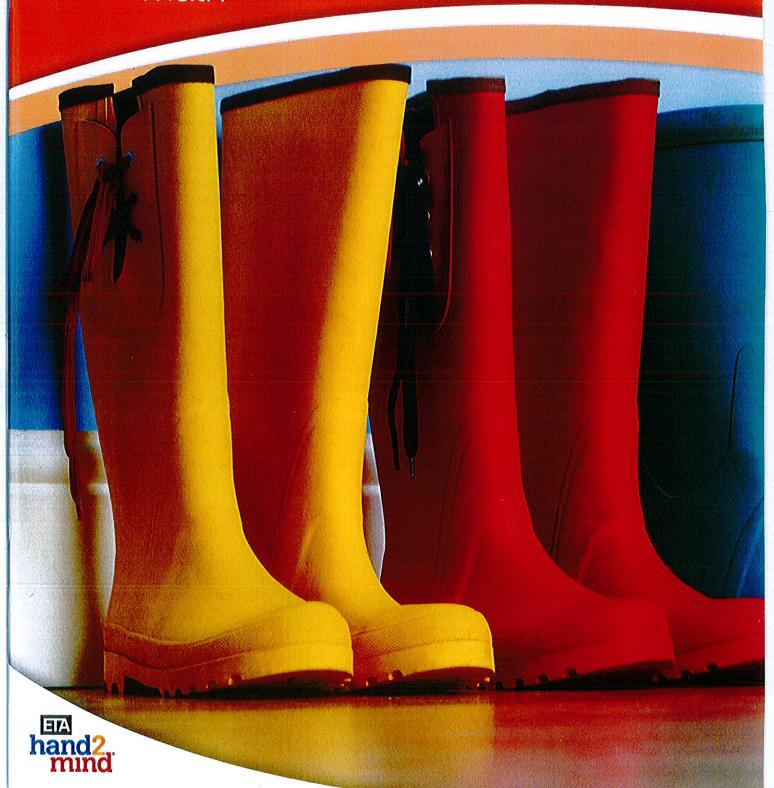


Addition and Subtraction

Properties and Situations

Math



CONTENTS

- I It's a Fact
- 2 Addition Sentences
- 4 Subtraction Sentences
- 6 Work It Out
- 8 Score!
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- 14 Add All Three
- 16 Sum of Three
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- 32 Just the Facts

VersaTiles® Addition and Subtraction: Properties and Situations, Grade 1 84651 978-1-63406-019-6

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16 17 18 19 20 21 22 9 8 7 6 5 4 3 2 1

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16 17 18 19 20 21 22 9 8 7 6 5 4 3 2 1

It's a Fact

Find the addition sentence to solve the problem.

How many toes?



How many eggs?



How many stars?





How many fingers?



How many noses?



How many legs?



2

How many dots?





How many sides?





6

How many eyes?



8

How many sides?





10

How many tentacles?



12

How many fish?





A

7 + 7 = 14 2 + 2 = 4

В

9+9=18 6+6=12 5+5=10 3+3=6

D

E

0 + 0 = 0

4 + 4 = 8

| + | = 2 | 12 + | 12 = 24 | 10 + | 10 = 20 | 8 + 8 = 16

G

Addition Sentences

Example

Find the addition sentence to solve the problem.

I more comes.

How many $\int_{-\infty}^{\infty}$ in all? 3 + 1 = 4



$$3 + 1 = 4$$

Find the addition sentence to solve the problem.



2 more come.

How many in all?



4 more come.

How many



in all?



Ana sees 6 🥮.



She sees 3 more.

How many *()* in all?



I more comes.

How many in all?







Al sees 3 more.

How many



in all?



You get 4 more.

How many (in all?







Otis spies I more.

How many 🧲



in all?





Jill sees 4 more.

How many 🌑 in all?





Mom gets 6 more.

How many in all?





I more comes.

How many oin all?





I more comes.

How many win all?





Jorge finds | more.

How many in all?



5 + 3 = 8

8+1=9 4+1=5 1+1=2 2+1=3 2+4=6

D

$$6 + 6 = 12$$

6+6=12 6+3=9 2+2=4 6+1=7 6+4=10 7+4=11

G

Subtraction Sentences

Example

Find the subtraction sentence to solve the problem.



I walks away.

How many 3 - 1 = 2

There are 2 left.





Find the subtraction sentence to solve the problem.





7 hop away.

How many A are left?





Rosa gives 8 away.

How many —— are left?



2 crawl away.

How many are left?





7 fly away.

How many ** are left?





Amy gives 6 away.

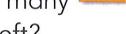
How many 3.... are left?





The children take 6.

How many — are left?





5

2 drive away.

How many 🐠 are left?



7 CRAYON .

Mike gives 4 away.

How many CRAYON are left?



12 .

7 fly away.

How many 🔪 are left?



10

8 roll away.

How many are left?



5

4 run away.

How many 🦍 are left?



6 Comment of the comm

Jesse spends 1.

How many () are left?



В

12-6=6 11-7=4 5-2=3 7-4=3

D

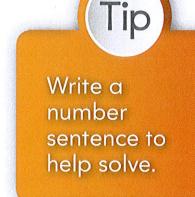
10-8=2 6-1=5 5-4=1 9-7=2 12-7=5 9-6=3

Work It Out



Solve.

- Laura painted 5 toes red and 5 toes blue.
 How many toes did she paint?
- Teddy had 20 eggs.8 are brown and the rest are white.How many eggs are white?



- Sara has 18 cards. 14 are red and the rest are white. How many white cards does Sara have?
- There are 4 green stars and 3 blue stars. How many stars are there in all?
- David biked 8 miles. He also swam. He went 17 miles in all. How many miles did he swim?
- The farmer has 15 brown chickens and 4 white ones. How many chickens does she have?

- 7 9 brown cows and 4 white. How many in all?
- 8 red boxes and 6 blue boxes. How many all together?
- 9 15 hay bales. 4 are round, the rest are square. How many are square?
- 10 I6 brown and white eggs. 8 are brown. How many are white?
- 11 18 pages in a book. 3 pages read in the day and the rest at night. How many read at night?
- 4 green stars and 2 blue stars. How many stars in all?

Α	B B	C	D		F
12	19	10	7	11	4
6	14	13	8	9	15
G	Н	1	J	K	L

Score!



Solve.

- Evan had 12 socks. 8 are long and the rest are short. How many socks are short?
- There were 16 cars. 8 were red. How many were blue?
- Cole picked 12 red roses and I pink rose. How many roses did he pick?
- Logan had 9 shells. Some shells broke. He had 7 shells left. How many were broken?
- There were 3 blue flowers and 2 red flowers. How many flowers in all?

6 Brad scored 4 points. Holly scored 8 points. How many points were scored?

There were 15 children at the beach.

- 7 12 swam. How many did not?
- **8** 4 were girls. How many were boys?
- 9 8 wore red. How many did not wear red?
- 6 built a sand castle. How many did not?
- 11 9 ate ice cream. How many did not?
- There were 4 adults. How many people in all?

A	В	C	D	E	F
5	6	12	8	3	9
13	7	19	11	2	4
G	Н	I	J	K	L

Objective: Add by putting together and subtract by taking apart.



More and Fewer

Solve.

- Mel read 12 pages.
 Mel read 20 pages.
 How many more
 pages did Mel read
 than Kara?
- Blake has 14 stamps.
 Sarah has 8 stamps.
 How many fewer
 stamps does Sarah
 have than Blake?
- Jack's sister has
 16 shells. She has
 7 more shells than
 Jack. How many shells
 does Jack have?
- Matt has 19 toy cars.
 Tori has 6 toy cars.
 How many fewer toy
 cars does Tori have
 than Matt?

- Tony ate 18 berries.
 Brandon ate 8 berries.
 How many more
 berries did Tony eat
 than Brandon?
- David spent \$10.
 This is 5 dollars more than Jane. How many dollars did Jane spend?



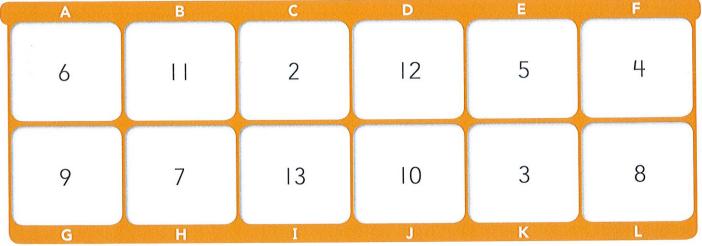
Solve.

The class has some grapes.

- Mario has 9.

 Kaitlyn has 12. How many fewer does

 Mario have?
- 8 Chris has 16. Ali has 4. How many fewer does Ali have?
- 9 II are green. 18 are red. How many fewer are green?
- Ava ate 8. That is 4 more than Ethan. How many did Ethan eat?
- 16 are in the bunch.5 are not. How many more are in the bunch?
- Riley ate 12 and Laske ate 10. How many fewer did Laske eat?



Objective: Solve word problems involving the ideas of more and fewer.



Let's Compare

Solve.

- A small pizza costs \$14.

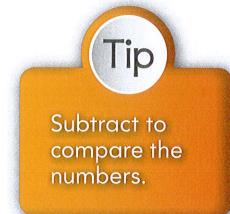
 A large pizza costs \$16.

 How many fewer dollars does a small pizza cost than a large pizza?
- Mr. Johnson has 15 students.
 Mr. Sutton has only 8 students.
 How many more students does
 Mr. Johnson have than Mr. Sutton?
- The cost of a movie ticket is \$8.

 A dinner ticket costs \$20. How many fewer dollars is the movie ticket than the dinner ticket?
- Ainsley walked 5 miles. Ken walked 6 miles. How many more miles did Ken walk than Gina?
- A baseball costs \$3.

 A jump rope costs \$6.

 How many more dollars does a jump rope cost than a baseball?
- 6 Amanda scored 7 goals.
 Tia scored 2 goals. How many more goals did Amanda score than Tia?





Solve.

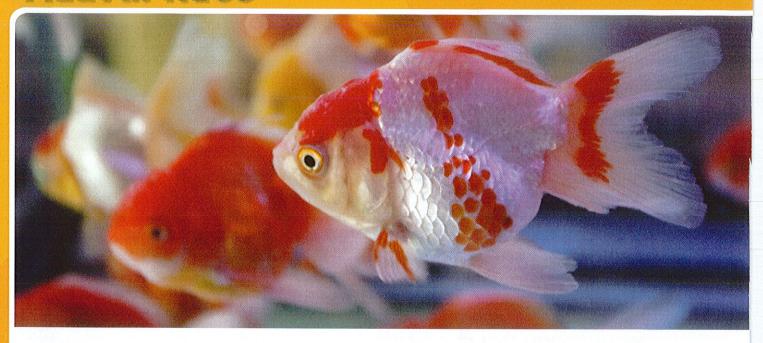
Javier ate 11 mini pizzas.

- **7** Kenzie ate 5. How many fewer did she eat?
- 8 Andrew ate 15. How many more did he eat than Javier?
- Cate ate 5 more than Javier.
 How many did she eat?
- Jin ate 2. How many fewer did she eat than Javier?
- Luke ate 2 more than Javier. How many did he eat?
- Kim ate no pizza. How many more pizzas did Javier eat?



Α	В	C	D	Ε	F
2	I		4	16	12
9	6	7	5	13	3
G	Н	I	J	K	L

Add All Three



Solve.

- Hannah ate 1 raisin. Ben ate 3. Landon ate 5. How many raisins did they eat in all?
- Tammy won 2 goldfish. Lauren won 4 goldfish. Corey won 12 goldfish. How many goldfish did they win in all?
- Blake read 8 books. Susie read 5 books. Anna read 7 books. How many books did they read in all?
- Koren spent \$6 for a ticket. She spent \$5 on food. She spent \$6 on games. How many dollars did Koren spend in all?

- Martina walked 2 miles on Friday, 5 miles on Saturday, and 3 miles on Sunday. How many miles did she walk in all?
- Ben spent \$10 on lunch. He gave a \$3 tip. Parking cost \$2. How many dollars did he spend in all?

How many movies did they see in all?

- **7** Lane saw 5, Mila saw 4, Lima saw 4.
- **8** Joe saw 12, Kier saw 3, Jara saw 1.
- **9** Layla saw 2, Ben saw 11, Henry saw 6.
- 10 Mel saw 7, Brady saw 0, Lima saw 4.
- 11 Kaine saw 8, Auden saw 4, John saw 2.
- 12 Shayla saw 2, Cass saw 4, Karen saw 6.

A	В	С	D	E	F
19	20	16	15	9	17
10	14	18	12	13	H
G	H	I	J	K	L

Objective: Solve word problems using addition of three numbers.



Sum of Three

Solve.

- Wendy has 4 bouncy balls. Teagan and Mia each have 6 bouncy balls. How many bouncy balls do the girls have?
- Add in any order.
- Jose has 2 pets. Bob has 3 pets.

 Jamie has 1 pet. How many pets do they have in all?
- Caleb and his brother each have 9 baseballs. Their father has I baseball. How many baseballs do the three have?
- Kenzie has 4 stickers. Tatum and Gage each have 2 stickers. How many do they have in all?
- Ted has \$5. Molly and Neal each have \$3. How many dollars do they have in all?
- Amy's team won I volleyball match.
 Jan's and Pat's teams each won
 2 matches. How many matches did
 all three teams win?



Solve.

Some friends played kickball. How many runs were scored in all?

- Wynn scored 6, Abe scored 5, Meg scored 7.
- **8** Jeff, Nia, and Jeb each scored 5.
- **9** Bella scored 3, Liz scored 4, Liam scored 5.
- **10** AJ scored 3, Ivy scored 4, Cian scored 7.
- Austin scored 5, Zoey and Kate each scored 6.
- Paige scored 3, Claire scored 3, Jon scored 7.

A	В	C		E CONTRACTOR CONTRACTO	F
15	5	14	18	12	
6	13	16	8	17	19
G	H	I	s J	K	1

Objective: Solve word problems using addition of three numbers.



Let's Find 10

Example

Make 10. Find the sum.

$$3+1+7$$

Think:
$$3 + 7 = 10$$

10 + 1 = 11



Make 10. Find the sum.



Make 10 first. Then add the third number.



$$8 \quad 3 + 7 + 3$$



A	В	C	D	E	F
11	15	19	10	16	14
20	12	17	21	13	18
G	H	I	J	K	L

Objective: Find the sum of three numbers by first making 10.



On the Lookout

Look for doubles. Find the sum.

Example

$$3+4+3$$

00

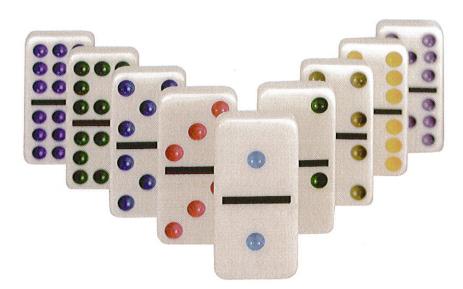
0

0

Think:
$$3 + 3$$
 is a double.

$$6 + 4 = 10$$

Look for doubles. Find the sum.



A	B special and the second secon	C ANNO SOME PROPERTY OF THE SOURCE AND ADDRESS OF THE SOURCE AND ADDRE	D	E	F
9	12	6	15	17	13
10	8	7	11	16	14
G	Н	I	J	K	L

Objective: Find the sum of three numbers by first adding doubles.



What's Your Sum?

Find the sum using the related addition fact.

Example 3 + 4 = 7



$$4 + 3 = 7$$



Find the sum using the related addition fact.

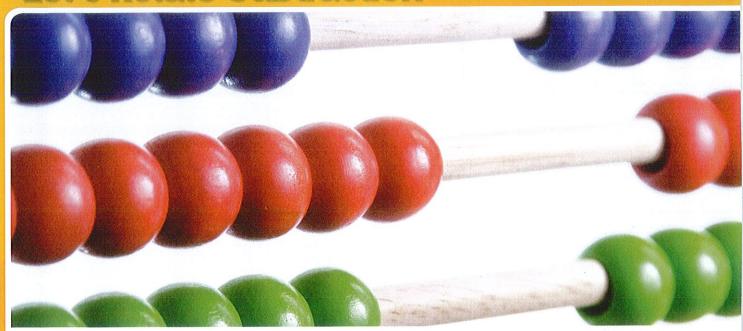
$$\begin{array}{c|c} 10 & 0 + 2 = 2 \\ 2 + 0 = \end{array}$$



A	B	С	D	E	F
9	11	4	12	6	3
2	14	7	10	13	8
G	Н	I	J	K	L

Objective: Use a related addition fact to find a sum.

Let's Relate Subtraction



Find the difference using the related subtraction fact.

$$15 - 7 = 8$$

$$15 - 8 = \blacksquare$$

$$3 - 1 = 2$$

 $3 - 2 = 1$



These are related subtraction facts.

$$11 - 3 = 8$$

$$11 - 8 = 3$$

$$\begin{array}{c|c}
8 & 10 - 4 = 6 \\
10 - 6 = \blacksquare
\end{array}$$

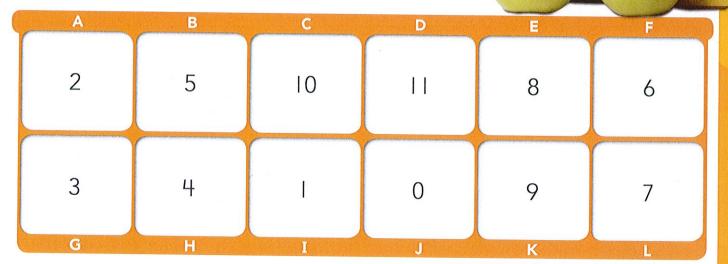
$$8 - 0 = 8$$

 $8 - 8 = \blacksquare$

$$10 - 6 = 4$$

$$10 - 4 = \blacksquare$$

11
$$|3 - 1| = 2$$
 $|3 - 2| = 11$



Do It with Ten

Find the sum.

2

Tip

First check if you can make a ten.

2

5

+ 6

6

6

8

+ 1

4

10

<u>+ 8</u>

2

<u>+ 3</u>

4 6

<u>+ 9</u>



10

19

В

13

C

17

D

6

| |

14

16

Н

12

1

18

15

K

9

G



Make 10 to Add or Subtract

Add.

 $8 + 5 = \square$

Think: 8 + 2 + 3

Then: 10 + 3 = 13

Subtract.

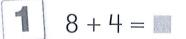
13 - 5 = 10

Think: 13 – 3 – 2

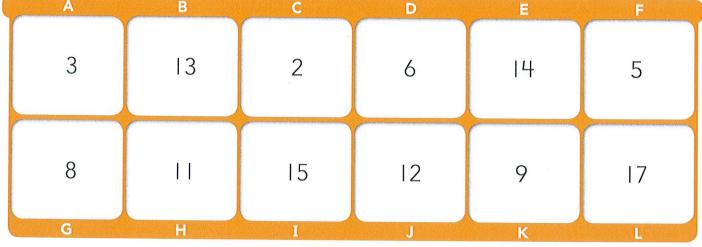
Then: 10 - 2 = 8

Add.

Example



Subtract.



What Do You Know?

Find the missing number.

$$\begin{array}{|c|c|c|} \hline 1 & 4 + 2 = 6 \\ 6 - 4 = \blacksquare \end{array}$$



Subtracting is like taking things apart.

$$7 + 2 = 12$$

$$12 - 2 = 10$$

$$8 + 1 = 17$$

$$17 - 8 = 9$$

$$9 + 9 = 13$$

$$13 - 9 = 4$$

12
$$0+6=6$$
 $6-6=11$

A	:	C	D	E	F
7	4	6	I	3	8
12	5	0	9	10	2
G	Н	I	J	K	L

Objective: Use an addition fact to find a difference.



We're Related

Use the addition fact to subtract.

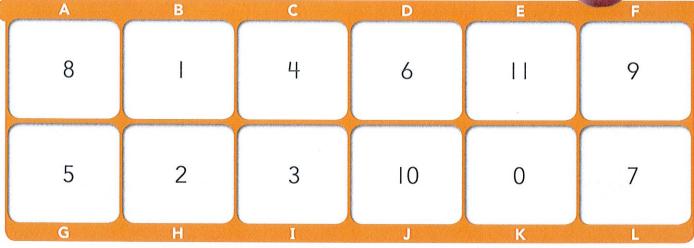
$$2 + 6 = 8$$

 $8 - 2 = \blacksquare$

$$8 + 1 = 9$$

 $9 - 8 = 10$

$$\begin{array}{c|c}
8 & 0 + 9 = 9 \\
9 - 9 = \blacksquare
\end{array}$$



Add and Subtract Facts

Example

These facts are related. They use the same numbers.

$$3 + 4 = 7$$

$$3 + 4 = 7$$
 $4 + 3 = 7$

$$7 - 4 = 3$$

$$7 - 4 = 3$$
 $7 - 3 = 4$

Use the addition fact to subtract.

$$1 | 3 + 7 = 10$$

$$10 - 7 = 10$$

$$14 - 5 = 10$$

$$6 + 7 = 13$$

$$13 - 7 = 100$$

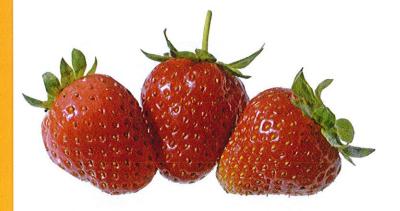
$$7 + 1 = 8$$

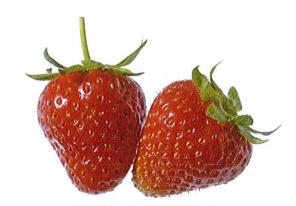
$$8 - 7 = 10$$

$$7 + 9 = 16$$

$$4 + 8 = 12$$

$$12 - 8 = 10$$





$$3 + 5 = 8$$

 $8 - 3 = 11$

$$12 \quad |0+3=|3| \\ |3-3=| | |$$



A	В	C	D	E	F
2	6	10	9	3	
7	0	4	11	5	8
G	Н	I	J	K	L

Just the Facts

Find the missing number.

$$4 + 9 = 13$$
 $13 - 4 = \blacksquare$

$$\begin{array}{ccc}
\mathbf{9} & 2 + 1 = 3 \\
3 - 2 = \mathbf{1}
\end{array}$$

$$8 + 4 = 12$$

$$12 - 8 = \blacksquare$$

$$| 1 + | | = | 2$$
 $| 2 - | = | |$

$$7 + 1 = 14$$

$$14 - 7 = 7$$

A CONTRACTOR OF THE PROPERTY O	B	C	D	E	F
11	6	5	8	2	
3	9	7	10	0	4
G	Н	I	J	K	L

Objective: Use an addition fact to find a difference.



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