1st Grade
Application Problems
Eureka Math

M1:L1

Application Problem

Dora found 5 leaves that blew in through the window. Then, she found 2 more leaves that blew in. Draw a picture and use numbers to show how many leaves Dora found in all.

M1:L2

Application Problem

T: (Read the story aloud to students.)

Bella spilled some pencils on the carpet. Geno came over to help her pick them up. Geno found 5 pencils under the desk and Bella found 4 by the door. How many pencils did they find together? Draw a math picture and write a number bond and a number sentence that tells about the story.

(Bonus: Have early finishers draw the 9 pencils in a different arrangement to show two parts.)

M1:L3

Application Problem

Alex had 9 marbles in his hand. He hid his hands behind his back and put some in one hand and some in the other. How many marbles might be in each hand? Use pictures or numbers to draw a number bond to show your idea.

M1:L4

Application Problem

Our class had 4 pumpkins. On Monday, Marta brought 1 more pumpkin. How many pumpkins did our class have on Monday?

On Tuesday, Beto brought 1 more pumpkin. How many pumpkins did our class have on Tuesday?

Then, on Wednesday, Shea brought 1 more pumpkin. How many pumpkins did our class have on Wednesday? Draw a picture and write a number sentence to show your thinking. What do you notice about what happened each day?

Extension: If this pattern continues, how many pumpkins will our class have on Friday?

M1:L5

Application Problem

Marcus had 6 pieces of candy. He decided to give some to his mother and keep some for himself. Use pictures and numbers to show two ways that Marcus could have split up 6 pieces of his candy.

M1:L6

Application Problem

Tom has 4 red cars and 3 green cars. Dave has 5 red cars and 2 green cars. Dave thinks he has more cars than Tom has. Is Dave right? Draw a picture to show how you know.

Write a number bond to show each of the boys' sets of cars.

M1:L7

Application Problem

Jenny has 8 flowers in a vase. The flowers come in two different colors. Draw a picture to show what the vase of flowers might look like.

Write a number sentence and a number bond to match your picture.

M1:L8

Application Problem

Rayden received 9 stickers at school. He received 5 stickers in the morning. How many stickers did he receive in the afternoon?

Draw a picture, a number bond, and a number sentence to show how you know.

M1:L9

Application Problem

Kira was making a number bracelet with a total of 10 beads on it. She has put on 3 red beads so far. How many more beads does she need to add to the bracelet? Explain your thinking in a picture and number sentence.

Extension: If Kira wants to use 5 red beads and 5 yellow beads for her bracelet, how many red beads and how many yellow beads does she need to add?

M1:L10

Application Problem

The class is collecting canned food to help those in need. The teacher brings in 3 cans to start the collection. On Monday, Becky brings in 2 cans. On Tuesday, Talia brings in 2 cans. On Wednesday, Brendan brings in 2 cans. How many cans were there at the end of each day?

Draw a picture to show your thinking. What do you notice about what happened each day?

Extension: If this pattern continues, how many cans will the class have on Friday?

M1:L11

Application Problem

There are 8 children in the afterschool cooking club. How many boys and how many girls might be in the class? Draw a picture and write a number sentence to explain your thinking.

Extension: How many other combinations of boys and girls could be made? Write a number bond for each combination you can think of.

M1:L12

Application Problem

Tanya has 7 books on her shelf. She borrowed some books from the library, and now there are 9 books on her shelf. How many books did she get at the library?

Explain your thinking in pictures, words, or with a number sentence. Draw a box around the mystery number in your number sentence.

M1:L13

Application Problem

Sammi had 6 bunnies. One of them had babies. Now, she has 10 bunnies. How many babies were born? Draw a picture to show how you know.

Write a number bond and a number sentence to match your picture.

M1:L14

Application Problem

Beth went apple picking. She picked 7 apples and put them in her basket. Two more apples fell out of the tree right into her basket! How many apples does she have in her basket now? Draw a math picture and write a number bond and number sentence to match the story.

M1:L15

Application Problem

Joshua and Rebecca were eating raisins. Joshua had 7 raisins and took 2 more from the box. Rebecca had 9 raisins and took 2 more from the box. Who had a greater number of raisins, Joshua or Rebecca?

Draw math drawings and write number bonds or number sentences to show how you know.

M1:L16

Application Problem

There were 10 bowling pins standing. Finn knocked over some bowling pins, and 7 were still standing. How many did he knock over?

Use a simple math drawing to show what you did to solve. Write a number sentence with a box to show the mystery or unknown number.

M1:L17

Application Problem

There are 10 swings on the playground, and 7 students are using the swings. How many swings are empty?

Draw or write a number sentence to show your thinking. Write a sentence at the end to answer today's question: How many swings are empty?

M1:L18

Application Problem

Dylan has 4 cats and 2 dogs at home. Laura has 1 dog and 5 fish at home. Laura says she and Dylan have an equal number of pets. Dylan thinks he has more pets than Laura. Who is right?

Draw a picture, write two number bonds, and use a number sentence to show if Dylan and Laura have an equal amount of pets.

M1:L19

Application Problem

Dylan has 4 cats and 2 dogs at home. Sammy has 1 mama bunny and 6 baby bunnies at home. Draw a number bond showing the total number of pets of each household.

Write a statement to tell if the two households have an equal number of pets.

M1:L20

Application Problem

Laura had 5 fish. Her mother gave her 1 more. Laura's brother Frank had 1 fish. Their mother gave Frank 5 more. Laura cried, "That's not fair! He has more fish than I do!" Use number bonds and a number sentence to show Laura the truth. If you can, write a sentence with words that would help Laura understand.

M1:L21

Application Problem

Jordan is holding a container with 3 pencils. His teacher gives him 4 more pencils for the container. How many pencils will be in the container?

Write a number bond, number sentence, and statement to show the solution.

M1:L22

Application Problem

May and Kay are twins. Whatever May has, Kay has it, too. May has 2 dolls. How many dolls do May and Kay have together? May has 3 stuffed animals. How many stuffed animals do they have together? Write a number bond, number sentence, and statement to show your solution.

Extension: If all the dolls and all the stuffed animals were put together for an imaginary tea party, how many toys would there be? Draw or write to explain your thinking.

M1:L23

Application Problem

John has 3 stickers. Mark has 4 stickers. Anna has 5 stickers. They each get two more stickers. How many do they each have now?

Write a number bond and number sentence for each student.

Extension: How many stickers do John, Mark, and Anna have together?

M1:L24

Application Problem

The teacher told Henry to get 8 linking cubes. Henry took 4 blue cubes and 3 red cubes. Does Henry have the correct amount of linking cubes? Use pictures or words to explain your thinking.

M1:L25

Application Problem

Taylor and her sister Reilly each got 4 books from the library. Then, Reilly went back in and checked out another book. How many books do Taylor and Reilly have together?

Draw and label a number bond to show the part of the books Taylor took out and the part that Reilly took out.

Write a statement to share your answer.

M1:L26

Application Problem

There were 5 students in the cafeteria. Some more students came in late. Now, there are 7 students in the cafeteria.

How many students came in late? Write a number bond to match the story.

Write an addition sentence and a subtraction sentence to show two ways to solve the problem. Draw a rectangle around the unknown number that you found.

M1:L27

Application Problem

Materials: (S) Personal white board, number path (Lesson 26 Template)

Marcus has 9 strawberries. Six of them are small; the rest are big. How many strawberries are big? Fill in the template.

Circle the mystery, or unknown, number in the number sentences, and write a statement to answer the question.

M1:L28

Application Problem

Eight ducks are swimming in the pond. Four ducks fly away. How many ducks are still swimming in the pond? Write a number bond, number sentence, and statement.

Draw a number path to prove your answer.

M1:L29

Application Problem

Lucas has 9 pencils for school. He lends 4 of them to his friends. How many pencils does Lucas have left?

Box the solution in your number sentence, and include a statement to answer the question. Be sure to draw your simple shapes in a straight line.

M1:L30

Application Problem

Freddie has 10 action figures in his pocket. Five of them are good guys. How many of his action figures are bad guys?

Box the solution in your number sentence, and include a statement to answer the question. Make a math drawing. Circle the part that is good guys to show you have the correct number of bad guys.

M1:L31

Application Problem

Shanika saw 5 pigeons on the roof. Some more pigeons flew onto the roof. She then counted 8 pigeons. How many pigeons flew over?

Write a number bond and both addition and subtraction number sentences to match the story. Box the solution in your number sentences, and include a statement to answer the question.

M1:L32

Application Problem

There are 8 juice boxes in the cubbies. Some children drink their juice. Now, there are only 5 juice boxes. How many juice boxes were taken from the cubbies?

Make a number bond. Write a subtraction sentence and a statement to match the story. Make a box around the solution in your number sentence. Make a math drawing to show how you know.

M1:L33

Application Problem

Nine children are playing outside. One child is on the swings and the rest are playing tag. How many children are playing tag?

Write a number bond and number sentence. Make a math drawing to show how you know.

M1:L34

Application Problem

Eighty-three beads spill on the floor. A student picks up 1 bead. How many beads are still on the floor?

Write a number bond, number sentence, and a statement to share your solution.

Extension: If a second child picks up 10 more beads, how many beads will remain on the floor? Use number bonds to show how you know.

M1:L35

Application Problem

The teacher spilled 18 beads on the floor today. A student picked up 17 of the beads. How many beads are still left on the floor?

Write a number bond, number sentence, and a statement to share your solution.

Extension: If the 17 beads had been picked up by two students, how many beads might each student have picked up? Make a number bond to show your solution.

M1:L36

Application Problem

There are 10 beads on the floor. There is the same number of red beads as white beads. A student picks up the white beads. How many beads are still on the floor?

Write a number bond, number sentence, and a statement to share your solution. Make a math drawing to show how you know.

M1:L37

Application Problem

There are 10 beads on the floor. A student picked up some of the beads but left some on the floor. Write a number bond and a number sentence that would match this story.

Extension: What other number bonds and number sentences could match this story? Try to list all of the possibilities. (Encourage all students to attempt this.)

M1:L38

Application Problem

Jessie and Carl were comparing the beads they picked up. Jessie picked up 9 beads. 5 of them were red, and the rest were white. Carl picked up 5 red beads and 4 white beads. Carl said they had the same number of white beads. Is Carl correct?

Draw and label your work to show your thinking.

M1:L39

Application Problem

John has 10 pencils. Mark has 9 pencils. Anna has 8 pencils. They each lost two of their pencils. How many do they each have now?

Write a number bond and number sentence for each student.

M2:L1

Application Problem

John, Emma, and Alice each had 10 raisins. John ate 3 raisins, Emma ate 4 raisins, and Alice ate 5 raisins. How many raisins do they each have now?

Write a number bond and a number sentence for each.

M2:L2

Application Problem

Lisa was reading a book. She read 6 pages the first night, 5 pages the next night, and 4 pages the following night. How many pages did she read?

Make a drawing to show your thinking. Write a statement to go with your work.

Extension: If she read a total of 20 pages by the fifth night, how many pages could she have read on the fourth night and the fifth night?

M2:L3

Application Problem

Tom's mother gave him 4 pennies. His father gave him 9 pennies. His sister gave him enough pennies so that he now has a total of 14. How many pennies did his sister give him?

Use a drawing, a number sentence, and a statement.

Extension: How many more would he need to have 19 pennies?

M2:L4

Application Problem

Michael plants 9 flowers in the morning. He then plants 4 flowers in the afternoon. How many flowers did he plant by the end of the day?

Make a drawing, a number bond, and a statement.

M2:L5

Application Problem

There are 9 red birds and 6 blue birds in a tree. How many birds are in the tree? Use a ten-frame drawing and a number sentence.

Write a number bond to match the story and a number bond to show the matching 10+ fact. Write a statement.

M2:L6

Application Problem

There are 6 children on the swings and 9 children playing tag. How many children are playing on the playground? Make ten to solve.

Create a drawing, a number bond, and a number sentence along with your statement.

M2:L7

Application Problem

Stacy made 6 drawings. Matthew made 2 drawings. Tim made 4 drawings. How many drawings did they make altogether?

Use a drawing, a number sentence, and a statement to match the story.

M2:L8

Application Problem

A tree lost 8 leaves one day and 4 leaves the next. How many leaves did the tree lose at the end of the two days?

Use a number bond, a number sentence, and a statement to match the story.

Extension: On the third day, the tree lost 6 leaves. How many leaves did it lose by the end of the third day?

M2:L9

Application Problem

A squirrel found 8 nuts in the morning, 5 nuts in the afternoon, and 2 nuts in the evening. How many nuts did the squirrel find in all?

Extension: The next day, the squirrel found 3 more nuts in the morning, 1 more in the afternoon, and 1 more in the evening. How many did he collect over the two days?

M2:L10

Application Problem

There were 4 boots by the classroom door, 8 boots in the hallway, and 6 boots by the teacher's desk. How many boots were there altogether?

Extension: How many pairs of boots were there in all?

M2:L11

Application Problem

Nicholas bought 9 green apples and 7 red apples. Sofia bought 10 red apples and 6 green apples. Sofia thinks she has more apples than Nicholas. Is she right?

Choose a strategy you have learned to show your work. Then, write number sentences to show how many apples Nicholas and Sofia each have.

M2:L12

Application Problem

Claudia bought 8 red apples and 9 green apples. How many apples does Claudia have altogether?

Make a math drawing, number sentence, and statement to show your thinking.

Extension: Claudia ate 3 red apples, and her friend ate 4 green apples. How many apples does Claudia have now?

M2:L13

Application Problem

Ten snowflakes fell on Sam's mitten, and 6 fell on his coat. Nine of the snowflakes on Sam's mitten melted.

How many snowflakes are left? Write a subtraction sentence to show how many snowflakes are left.

M2:L14

Application Problem

Sarah has 6 blue beads in her bag and 4 green beads in her pocket. She gives away the 6 blue beads and 3 green beads. How many beads does she have left?

M2:L15

Application Problem

Julian has 7 markers. His mother gives him 8 more. He loses 9 markers. How many does he have left?

M2:L16

Application Problem

There were 16 coats on the rack. Nine students took their coats to go outside. How many coats were still on the rack?

Extension: If 4 more students take their coats to go outside, how many coats will still be hanging?

M2:L17

Application Problem

Gisella had 13 markers in her bag. Eight markers fell out of the bag. How many markers does Gisella have now?

M2:L18

Application Problem

Juliana rolls 8 cars down a ramp. If she started with 15 cars at the top of the ramp, how many cars does Juliana still have at the top of the ramp?

M2:L19

Application Problem

Carla, Jose, and Yannis each have 8 cherries. They all get more cherries to put in their bowls. Now, Carla has 12 cherries, Jose has 14 cherries, and Yannis has 16 cherries.

How many more cherries did they each put in their bowls? Write a number sentence for each answer.

M2:L20

Application Problem

Imran has 8 crayons in his pencil box and 7 crayons in his desk. How many crayons does Imran have in total?

M2:L21

Application Problem

There are 16 reading mats in the classroom. If 9 reading mats are being used, how many reading mats are still available?

M2:L23

Application Problem

In the morning, there were 8 leaves on the floor under the ficus tree. During the day, more leaves fell on the floor. Now, there are 13 leaves on the floor. How many leaves fell during the day?

M2:L24

Application Problem

Yesterday, I saw 11 birds on a branch. Three birds joined them on the branch. How many birds were on the branch then?

M2:L25

Application Problem

Micah had 16 trucks and lost 9 of them. Charles had 1 truck and received 6 more trucks from his mother. Who has more trucks, Micah or Charles?

M2:L26

Application Problem

Ruben has 18 toy cars. His car carrier holds 10 toy cars. If Ruben's carrier is full, how many cars are in the carrier, and how many cars are outside of the carrier?

M2:L27

Application Problem

Ruben was putting away his 14 toy cars. He filled his car carrier and had 4 cars left that could not fit. How many cars fit in his car carrier?

M2:L28

Application Problem

Ruben has 7 blue cars and 6 red cars. If Ruben puts all of the blue cars in his car carrier that carries 10 cars, how many red cars will fit in the carrier, and how many will be left out of the carrier?

M2:L29

Application Problem

Hae Jung had 13 markers, and she gave some to Lily. If Hae Jung then had 5 markers, how many markers did she give to Lily?

M3:L1

Application Problem

Nigel and Corey each have new pencils that are the same length. Corey uses his pencil so much that he needs to sharpen it several times. Nigel doesn't use his at all. Nigel and Corey compare pencils. Whose pencil is longer?

Draw a picture to show your thinking.

M3:L2

Application Problem

Jordan has 3 stuffed animals: a giraffe, a bear, and a monkey. The giraffe is taller than the monkey. The bear is shorter than the monkey.

Sketch the animals from shortest to tallest to show how tall each animal is.

M3:L3

Application Problem

Draw one picture to match both of these sentences: The book is longer than the index card. The book is shorter than the folder. Which is longer, the index card or the folder?

Write a statement comparing the two objects. Use your drawings to help you answer the question.

M3:L4

Application Problem

Joe ran a string from his room to his sister's room to measure the distance between them. When he tried to use the same string to measure the distance from his room to his brother's room, the string didn't reach!

Which room was closer to Joe's room, his sister's or his brother's?

M3:L5

Application Problem

Amy used centimeter cubes to measure the length of her book. She used 8 yellow centimeter cubes and 4 red centimeter cubes. How many centimeter cubes long was her book?

Remind students to use the RDW process. After **r**eading (or listening to) the problem, they must be sure to draw, write a number sentence, and write a statement that answers the question.

M3:L6

Application Problem

Julia's lollipop is 15 centimeters long. She measured the lollipop with 9 red centimeter cubes and some blue centimeter cubes.

How many blue centimeter cubes did she use? Remember to use the RDW process.

M3:L7

Application Problem

When Corey measures his new pencil, he uses 19 centimeter cubes. After he sharpens the pencil, he needs 4 fewer centimeter cubes.

How long is Corey's pencil after he sharpens it? Use centimeter cubes to solve the problem. Write a number sentence and a statement to answer the question.

M3:L8

Application Problem

I have 2 crayons. Each crayon is 9 centimeter cubes long. I also have a paintbrush. The paintbrush is the same length as 2 crayons.

How many centimeter cubes long is the paintbrush? Use centimeter cubes to solve the problem.

Then, draw a picture, and write a number sentence and a statement to answer the question.

M3:L9

Application Problem

Corey buys a super-cool, extra-long crayon that is 14 centimeters long. His regular crayon is 9 centimeters long.

Use centimeter cubes to find out how much longer Corey's new crayon is than his regular crayon.

Write a statement to answer the question. Write a number sentence to show what you did.

M3:L10

Application Problem

There were 14 items on the table to measure. I already measured 5 of them. How many more items are there to measure?

M3:L11

Application Problem

Larry asked his friends whether dogs or cats are smarter. 9 of his friends think dogs are smarter, and 6 think cats are smarter.

Make a table to show Larry's data collection.

How many friends did he ask?

M3:L12

Application Problem

Kingston's class took a trip to the zoo. He collected data about his favorite African animals. He saw 2 lions, 11 gorillas, and 7 zebras.

What might his table look like?

Write one question your classmate can answer by looking at the table.

M3:L13

Application Problem

Zoe made friendship necklaces for her 3 closest friends. Make a graph to show the two colors of beads she used. She used 8 green beads for Lily, 4 purple beads for Jamilah, and 12 green beads for Sage.

How many green beads did she use?

M4:L1

Application Problem

Joy is holding 10 marbles in 1 hand and 10 marbles in the other hand. How many marbles does she have in all?

M4:L2

Application Problem

Ted has 4 boxes with 10 pencils in each box. How many pencils does he have altogether?

M4:L3

Application Problem

Sue is writing the number 34 on a place value chart. She cannot remember if she has 4 tens and 3 ones or 3 tens and 4 ones. Use a place value chart to show how many tens and ones are in 34. Use a drawing and words to explain this to Sue.

M4:L4

Application Problem

Lisa has 3 boxes of 10 crayons, as well as 5 extra crayons. Sally has 19 crayons. Sally says she has more crayons, but Lisa disagrees. Who is right?

M4:L5

Application Problem

Lee has 4 pencils and buys 10 more. Kiana has 17 pencils and loses 10 of them. Who has more pencils now?

Use drawings, words, and number sentences to explain your thinking.

M4:L6

Application Problem

Sheila has 3 bags with 10 pretzels in each bag and 9 extra pretzels. She gives 1 bag to a friend. How many pretzels does she have now?

Extension: John has 19 pretzels. How many more pretzels does he need to have as many as Sheila has now?

M4:L7

Application Problem

Benny has 4 dimes. Marcus has 4 pennies. Benny says, “We have the same amount of money!” Is he correct? Use drawings or words to explain your thinking.

M4:L8

Application Problem

Anton picked 25 strawberries. He picked some more strawberries. Then, he had 35 strawberries.

a. Use a place value chart to show how many more strawberries Anton picked.

a. Write a statement comparing the two amounts of strawberries using one of these phrases: greater than, less than, or equal to.

M4:L9

Application Problem

Carl has a collection of rocks. He collects 10 more rocks. Now he has 31 rocks. How many rocks did he have in the beginning?

a. Use place value charts to show how many rocks Carl had at the beginning.

a. Write a statement comparing how many rocks Carl started and ended with, using one of these phrases: greater than, less than, or equal to.

M4:L10

Application Problem

Elaine and Mike were picking blueberries. Elaine had 19 blueberries and ate 10. Mike had 13 and picked 7 more. Compare Elaine and Mike's blueberries after Elaine ate some and Mike picked some more.

a. Use words and pictures to show how many blueberries each person has.

a. Use the term greater than or less than in your statement.

M4:L11

Application Problem

Sharon has 3 dimes and 1 penny. Mia has 1 dime and 3 pennies. Whose amount of money has a greater value?

M4:L12

Application Problem

Thomas has a box of paper clips. He used 10 of them to measure the length of his big book. There are 20 paper clips still in the box. Use the arrow way to show how many paper clips were in the box at first.

M4:L13

Application Problem

Use linking cubes as you read, draw, and write (RDW) to solve the problems.

1. Emi had a linking cube train with 4 blue cubes and 2 red cubes. How many cubes were in her train?

1. Emi made another train with 6 yellow cubes and some green cubes. The train was made of 9 linking cubes. How many green cubes did she use?

1. Emi wants to make her train of 9 linking cubes into a train of 15 cubes. How many cubes does Emi need?

M4:L14

Application Problem

Use linking cubes and the RDW process to solve one or more of the problems.

a. Emi had a linking cube train of 7 cubes. She added 4 cubes to the train. How many cubes are in her linking cube train?

a. Emi made another train of linking cubes. She started with 7 cubes and added some more cubes until her train was 9 cubes long. How many cubes did Emi add?

a. Emi made one more train of linking cubes. It was made of 8 linking cubes. She took some cubes off, and then her train was 4 linking cubes long. How many cubes did Emi take off?

M4:L15

Application Problem

Today, students should focus on pictorial representations. They should solve without using linking cubes. They read, draw, and write (RDW) to solve one or more of the problems.

1. Emi had a linking cube train of 6 cubes. She added 3 cubes to the train. How many cubes are in her linking cube train?

1. Emi made another train of linking cubes. She started with 7 cubes and added some more cubes until her train was 12 cubes long. How many cubes did Emi add?

1. Emi made one more train of linking cubes. It was made of 12 linking cubes. She took some cubes off, and her train became 4 linking cubes long. How many cubes did Emi take off?

M4:L16

Application Problem

Use the RDW process to solve one or more of the problems without using linking cubes.

a. Emi had a linking cube train with 14 blue cubes and 2 red cubes. How many cubes were in her train?

a. Emi made another train with 16 yellow cubes and some green cubes. The train was made of 19 linking cubes. How many green cubes did she use?

a. Emi wants to make her train of 8 linking cubes into a train of 17 cubes. How many cubes does Emi need?

M4:L17

Application Problem

Use the RDW process to solve one or more of the problems.

a. Ben had 7 fish. He bought 4 fish at the store. How many fish does Ben have?

a. Maria had 7 fish in her tank this morning. She bought some more fish, and now she has 9. How many did she buy?

a. Anton had 8 fish. Some of the fish died, and now Anton has 4 fish. How many fish died?

M4:L18

Application Problem

Use the RDW process to solve one or both of the problems.

a. Some ducks were in a pond. 4 baby ducks joined them. Now, there are 6 ducks in the pond. How many ducks were in the pond at first?

a. Some frogs were in the pond. Three jumped out, and now there are 5 frogs in the pond. How many frogs were in the pond at first?

M4:L23

Application Problem

Kim picks up 10 loose pencils and puts them in a cup. Ben has 1 package of 10 pencils that he adds to the cup.

How many pencils are now in the cup? Use the RDW process to solve the problem.

M4:L24

Application Problem

A dog hides 11 bones behind his doghouse. Later, his owner gives him 5 more bones.

How many bones does the dog have now? Use the RDW process to share your thinking as you solve the problem.

Extension: All the bones are brown or white. The same number of bones are brown as white. How many brown bones does the dog have?

M4:L25

Application Problem

A chipmunk hides 11 acorns under a tree. Later, he gives 5 of the acorns to his friend. How many acorns does the chipmunk have? Use the RDW process to solve the problem.

Extension: A squirrel has double the number of acorns the chipmunk had to begin with. How many acorns does the squirrel have?

M4:L26

Application Problem

It snowed 7 days in February and the same number of days in March. How many days did it snow in those 2 months? Use the RDW process to solve the problem.

Extension: It snowed 3 days in January. How many days did it snow in all 3 months? How many more days did it snow in February than in January?

M4:L27

Application Problem

During the winter, it snowed on 14 different days. On some of the days, we got to stay home. For 9 of the snowy days, we had to go to school. For how many days did we get to stay home? Use the RDW process to solve the problem.

Extension: How many more days did it snow when we were in school compared to when we were home?

M4:L28

Application Problem

Anton had some crayons in his desk. His teacher gave him 2 more. When he counted all of his crayons, he had 16 crayons. How many crayons did Anton have in his desk originally? Use the RDW process to solve the problem.

M4:L29

Application Problem

Kiana's friend gave her 3 more stickers. Now, Kiana has 16 stickers. How many stickers did Kiana already have? Use the RDW process to solve the problem.

M5:L1

Application Problem

Today, everyone will get 7 straw pieces to use in our lesson. Later, you will use your pieces and your partner's pieces together. How many straw pieces will you have to use when you and your partner put them together?

M5:L2

Application Problem

Lee has 9 straws. He uses 4 straws to make a shape. How many straws does he have left to make other shapes?

Extension: What possible shapes could Lee have created? Draw the different shapes Lee might have made using 4 straws. Label any shapes whose name you know.

M5:L3

Application Problem

Rose draws 6 triangles. Maria draws 7 triangles. How many more triangles does Maria have than Rose?

M5:L4

Application Problem

Anton made a tower 5 cubes high. Ben made a tower 7 cubes high. How much taller is Ben's tower than Anton's?

M5:L5

Application Problem

Darnell and Tamra are comparing their grapes. Darnell's vine has 9 grapes. Tamra's vine has 6 grapes. How many more grapes does Darnell have than Tamra?

M5:L6

Application Problem

Emi lined up 4 yellow cubes in a row. Fran lined up 7 blue cubes in a row. Who has fewer cubes? How many fewer cubes does she have?

M5:L7

Application Problem

Peter set up 5 rectangular prisms to make 5 towers. He put a cone on top of 3 of the towers. How many more cones does Peter need to have a cone on every tower?

M5:L8

Application Problem

Peter and Fran each have an equal number of pattern blocks. There are 12 pattern blocks altogether. How many pattern blocks does Fran have?

M5:L9

Application Problem

Emi cut a square brownie into fourths. Draw a picture of the brownie. Emi gave away 3 parts of the brownie. How many pieces does she have left?

Extension: What part, or fraction, of the whole brownie is left?

M5:L10

Application Problem

Kim drew 7 circles. Shanika drew 10 circles. How many fewer circles did Kim draw than Shanika?

M5:L11

Application Problem

Tamra has 7 digital clocks in her house and only 2 circular or analog clocks. How many fewer circular clocks does Tamra have than digital clocks?

How many clocks does Tamra have altogether?

M5:L12

Application Problem

Shade the clock from the start of a new hour through half an hour. Explain why that is the same as 30 minutes.

M5:L13

Application Problem

Ben is a clock collector. He has 8 digital clocks and 5 circular clocks. How many clocks does Ben have altogether?

How many more digital clocks does Ben have than circular clocks?

M6:L3

Application Problem

Tamra has 4 more goldfish than Peter. Peter has 10 goldfish. How many goldfish does Tamra have?

M6:L4

Application Problem

Tamra has 14 goldfish. Darnel has 8 goldfish. How many fewer goldfish does Darnel have than Tamra?

M6:L5

Application Problem

Kiana has 6 fewer goldfish than Tamra. Tamra has 14 goldfish. How many goldfish does Kiana have?

M6:L6

Application Problem

Nikil has 12 toy cars. Willie has 4 toy cars. When Nikil and Willie play, how many toy cars do they have?

M6:L7

Application Problem

Shanika has 6 roses and 7 tulips in a vase. Maria has 4 roses and 8 tulips in a vase. Who has more flowers? How many more flowers does she have?

M6:L8

Application Problem

Lee found 15 sparkly rocks. Kim found 8 sparkly rocks. How many more sparkly rocks did Lee find than Kim?

M6:L9

Application Problem

Emi and Julio together have 17 pet mice. How many mice might each child have?

Extension: Who has more, and how many more does that child have?

M6:L10

Application Problem

Fran had 8 lizards. Anton gave some lizards to Fran. Fran now has 13 lizards. How many lizards did Anton give Fran?

M6:L11

Application Problem

Ben sharpened 5 pencils. He has 8 more unsharpened pencils than sharpened pencils. How many unsharpened pencils does Ben have?

M6:L12

Application Problem

Kiana wants to have 14 stickers in her folder. She needs 6 more stickers to make her goal. How many stickers does she have right now?

M6:L13

Application Problem

Julio read 6 books this week. Emi read 12 books this week. How many fewer books did Julio read than Emi?

How many books did they read in all?

How many more books does Julio have to read so that he has read one more book than Emi?

M6:L14

Application Problem

There are 12 chairs at the lunch table and 15 students. How many more chairs are needed so that every student has a chair?

M6:L15

Application Problem

There are 20 students in class. Nine students put away their backpacks. How many more students still need to put away their backpacks?

M6:L16

Application Problem

Fifteen students ordered pizza for lunch. Seven students brought their lunch from home.

How many fewer students brought their lunch from home than ordered lunch?

M6:L17

Application Problem

Rose saw 14 monkeys at the zoo. She saw 5 fewer monkeys than foxes. How many foxes did Rose see?

M6:L18

Application Problem

A farmer counted 12 bunnies in their cages in the morning. In the afternoon, he only counted 4 bunnies in their cages. How many bunnies disappeared from their cages?

M6:L19

Application Problem

Ben had 16 baseball cards before a card show. After the card show, he had 20 baseball cards. How many cards were added to Ben's collection?

M6:L20

Application Problem

Tamra saw 10 cheetahs at the zoo. She saw 8 more leopards than cheetahs. How many leopards did she see?

M6:L21

Application Problem

Willie saw 11 monkeys at the zoo. He saw 4 fewer monkeys than tigers. How many tigers did he see at the zoo?

M6:L22

Application Problem

Peter has 6 more red pencils than blue pencils. He has 8 blue pencils. How many red pencils does he have?

M6:L23

Application Problem

Peter has 8 more green crayons than yellow crayons. Peter has 10 green crayons. How many yellow crayons does Peter have?

M6:L24

Application Problem

There are 8 eggs in the carton. The carton can hold 12 eggs. How many more eggs will fit in the carton?

M6:L28

Application Problem

Darnel answered 30 problems on Side B of his Count Dots Sprint today. He was proud because he answered 20 more problems today than he did on the first day of school.

How many problems did he answer on the first day of school?

M6:L29

Application Problem

In October, Tamra's best score on the Number Bond Dash was 15 problems. Today, she correctly answered 10 more problems. What was Tamra's score today?