# Eureka Math<sup>™</sup> Homework Helper

# 2015-2016

# Grade 1 Module 2 Lessons 1–29

Eureka Math, A Story of Units®

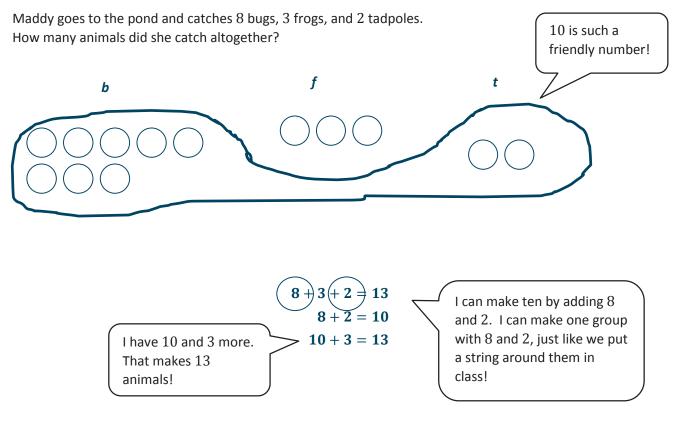
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#### G1-M2-Lesson 1

Read the math story. Make a simple math drawing with labels. Circle 10 and solve.

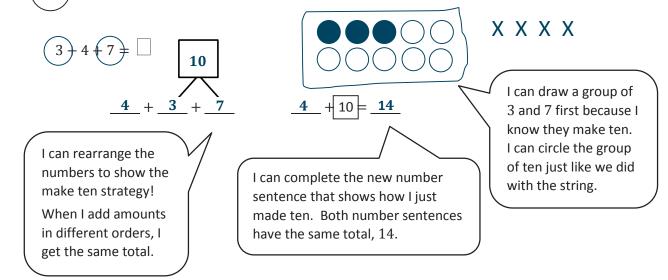


Maddy caught <u>13</u> animals.

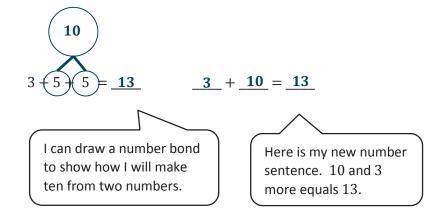


# G1-M2-Lesson 2

1. (Circle) the numbers that make ten. Draw a picture. Complete the number sentence.



2. (Circle) the numbers that make ten, and put them into a number bond. Write a new number sentence.



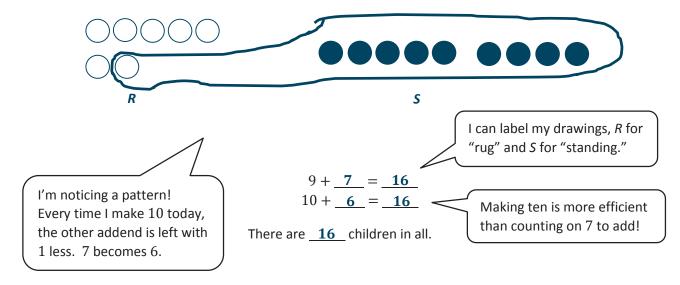


Lesson 2:

#### G1-M2-Lesson 3

Draw, label, and (circle) to show how you made ten to help you solve. Complete the number sentences. I can make ten by putting 1 of Jenny's raisins in Todd's pile. Todd's pile had 1. Todd has 9 raisins, and Jenny has 3. How many raisins do they 9 raisins, but now it has 10. have altogether? When I make 10 with Todd's 9 raisins and 1 of Jenny's raisins, there are 2 raisins left in Jenny's pile. Τ I can draw 9 filled-in 9 and <u>3</u> equals <u>12</u>. circles to show how Look! 9 and 3 is the 10 and **2** equals **12**. many raisins Todd has same as 10 and 2. and 3 open circles to Todd and Jenny have <u>12</u> raisins altogether. They both make 12. show how many raisins Jenny has.

2. There are 7 children sitting on the rug and 9 children standing. How many children are there in all?



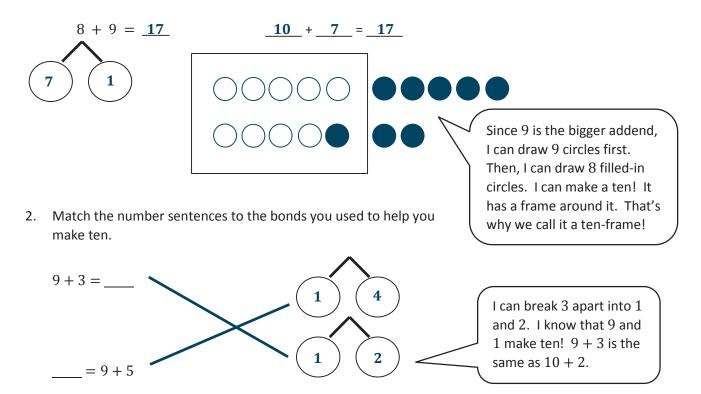
Make ten when one addend is 9.



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#### G1-M2-Lesson 4

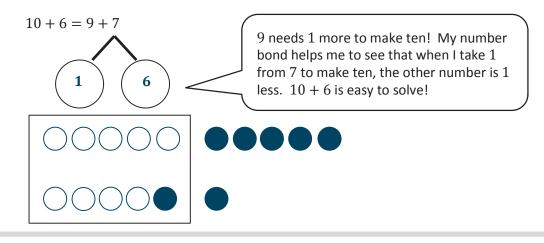
1. Solve. Make math drawings using the ten-frame to show how you made 10 to solve.



3. Show how the expressions are equal.

Lesson 4:

Use number bonds to make ten in the 9 + fact expression within the true number sentence. Draw to show the total.





Make ten when one addend is 9.

#### G1-M2-Lesson 5

9 + 4 = **13** 

10

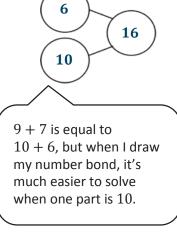
8

18

- 1. Solve the number sentences. Use number bonds to show your thinking. Write the 10 + fact and new number bond.
  - $9+7 = \underline{16} \qquad \underline{10} + \underline{6} = \underline{16}$

Solve. Match the number sentence to the 10 + number bond.

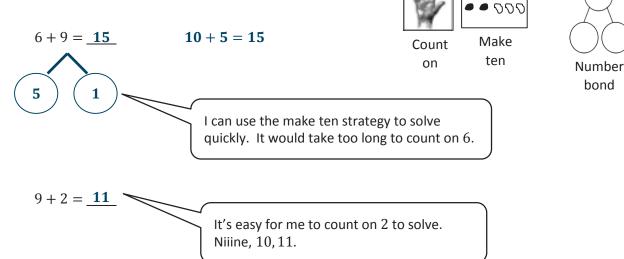
9 + 9 = **18** 



When I make number bonds with ten as one part, I can solve quickly, because 10 is a friendly number and I know my 10 + facts!

\* \* \* \*

2. Use an efficient strategy to solve the number sentences.



10

3

13

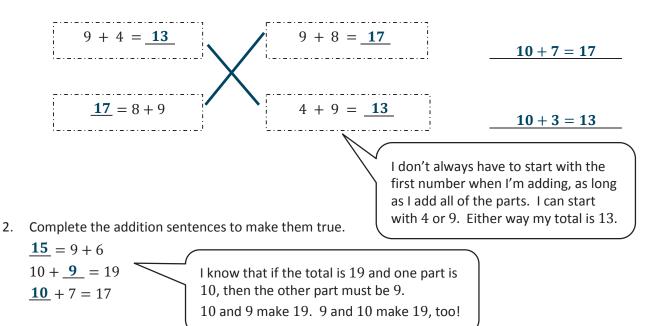


Lesson 5:

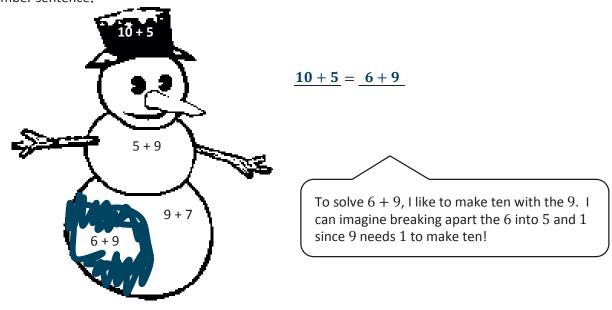
Compare efficiency of counting on and making ten when one addend is 9.

#### G1-M2-Lesson 6

1. Solve. Use your number bonds. Draw a line to match the related facts. Write the related 10 +fact.



3. Find and color the expression that is equal to the expression on the snowman's hat. Write the true number sentence.



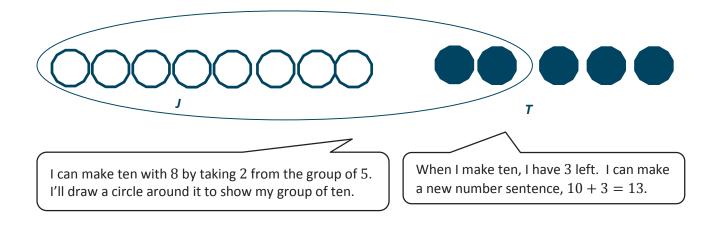


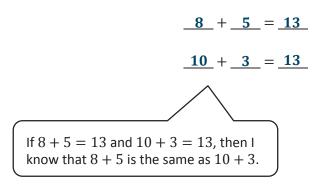
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#### G1-M2-Lesson 7

Draw, label, and circle to show how you made ten to help you solve. Write the number sentences you used to solve.

John has 8 tennis balls. Toni has 5. How many tennis balls do they have in all?





John and Toni have <u>13</u> tennis balls in all.

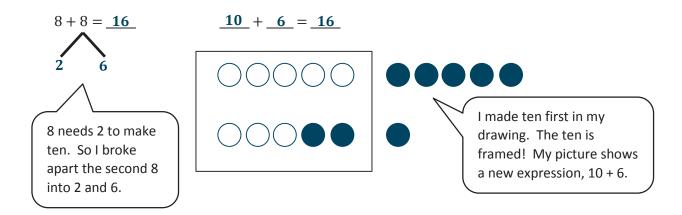


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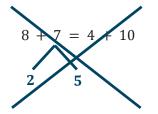
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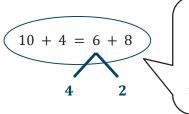
#### G1-M2-Lesson 8

1. Solve. Make math drawings using the ten-frame to show how you made ten to solve.

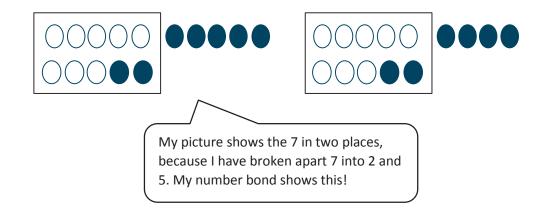


2. Make math drawings using ten-frames to solve. Circle the true number sentences. Write an X to show number sentences that are not true.





When I have 8 as one addend, I will always break apart the second addend with 2 as one of the parts! That's how I make ten!

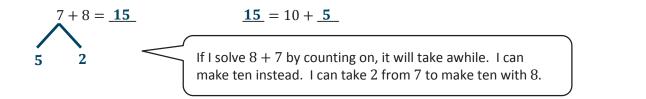




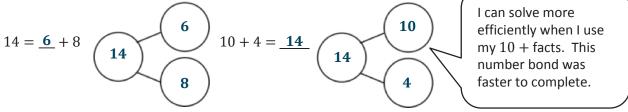
Lesson 8:

#### G1-M2-Lesson 9

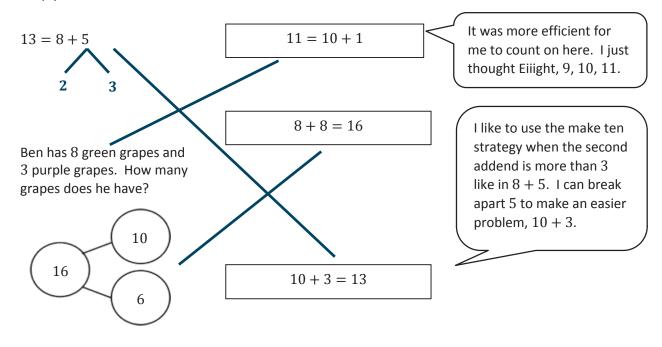
1. Use number bonds to show your thinking. Write the 10 + fact.



2. Complete the addition sentences and the number bonds.



3. Draw a line to the matching number sentence. You may use a number bond or 5-group drawing to help you.

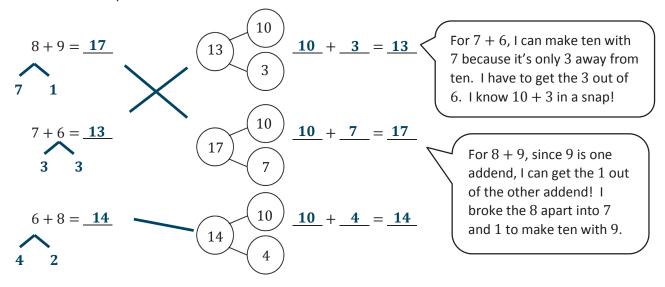




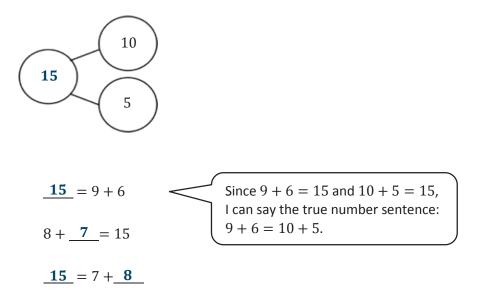
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#### G1-M2-Lesson 10

1. Solve. Match the number sentence to the ten-plus number bond that helped you solve the problem. Write the ten-plus number sentence.



2. Complete the number sentences so they equal the given number bond.



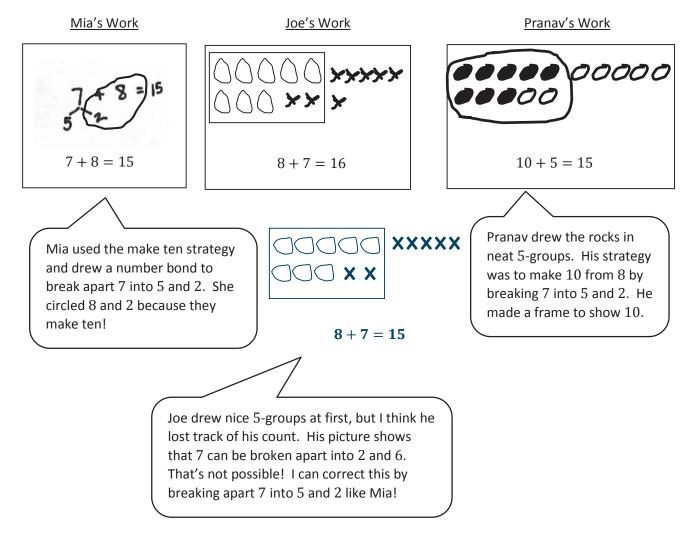


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#### G1-M2-Lesson 11

Look at the student work. Correct the work. If the answer is incorrect, show a correct solution in the space below the student work.

Jeremy had 7 big rocks and 8 little rocks in his pocket. How many rocks does Jeremy have?





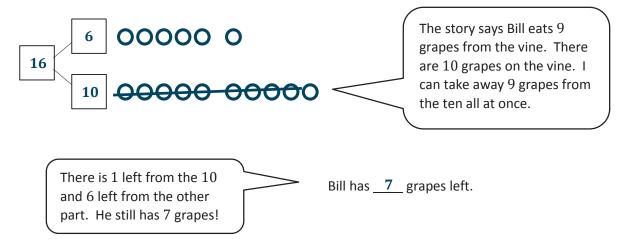
Lesson 11:

#### G1-M2-Lesson 12

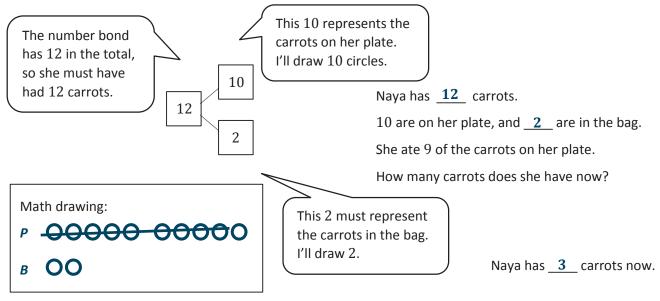
1. Make a simple math drawing. Cross off from the 10 ones or the other part in order to show what happens in the story.

Bill has 16 grapes. 10 are on the vine, and 6 are on the ground.

Bill eats 9 grapes from the vine. How many grapes does Bill have left?



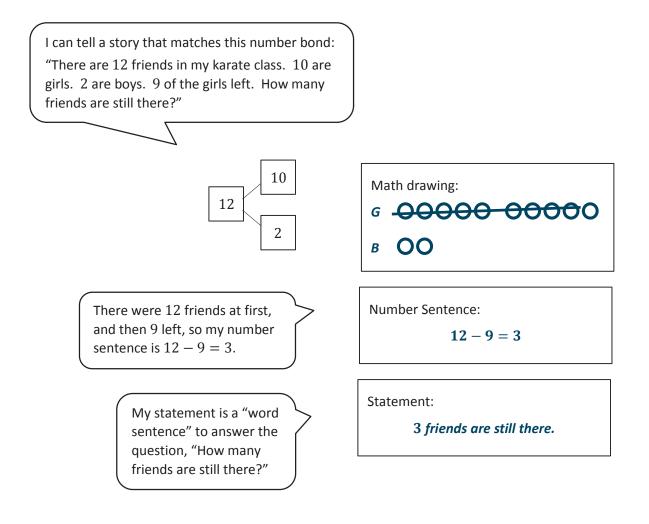
2. Use the number bond to fill in the math story. Make a simple math drawing. Cross off from the 10 ones or the other part in order to show what happens.





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3. Use the number bond below to come up with your own math story. Include a simple math drawing. Cross out from 10 ones to show what happens.



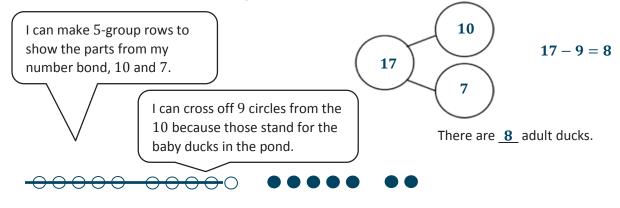


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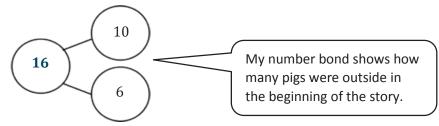
#### G1-M2-Lesson 13

1. Solve. Use 5-group rows, and cross out to show your work. Write number sentences.

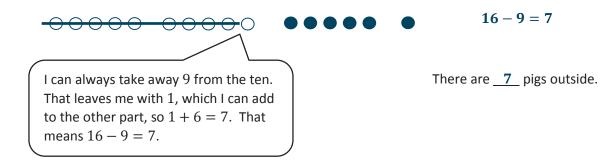
10 ducks are in the pond, and 7 ducks are on the land. 9 of the ducks in the pond are babies, and all the rest of the ducks are adults. How many adult ducks are there?



2. Complete the number bond, and fill in the math story. Use 5-group rows, and cross out to show your work. Write number sentences.



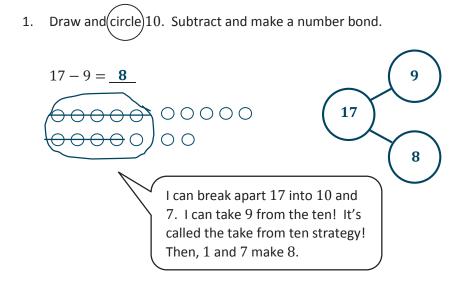
There were <u>10</u> pigs lying in the mud and <u>6</u> pigs eating by the trough outside. 9 of the muddy pigs went inside the barn. How many pigs stayed outside?



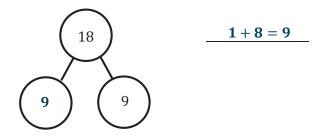


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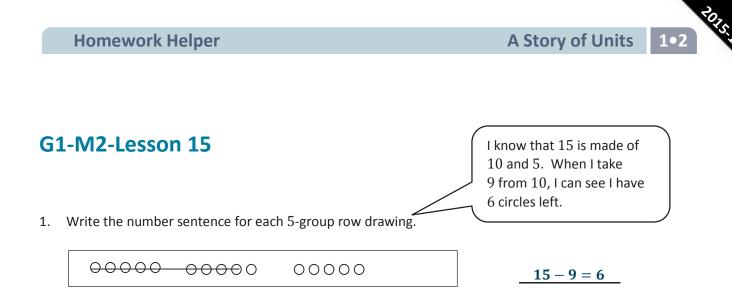
#### G1-M2-Lesson 14



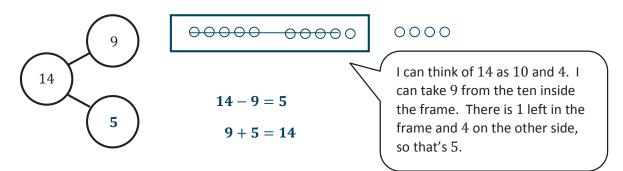
2. Complete the number bond, and write the number sentence that helped you.



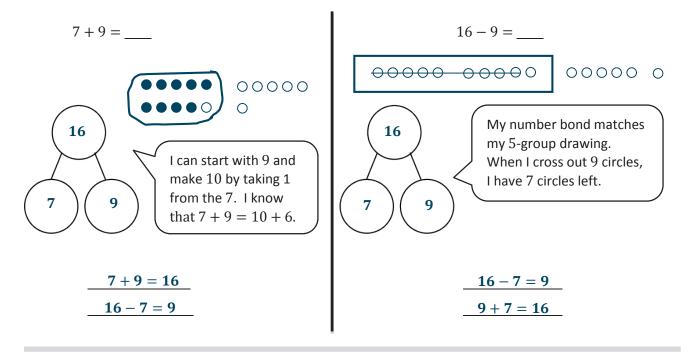




2. Draw 5-groups to complete the number bond, and write the 9-number sentence.



3. Draw 5-groups to show making ten and taking from ten to solve the two number sentences. Make a number bond, and write two additional number sentences that would have this number bond.

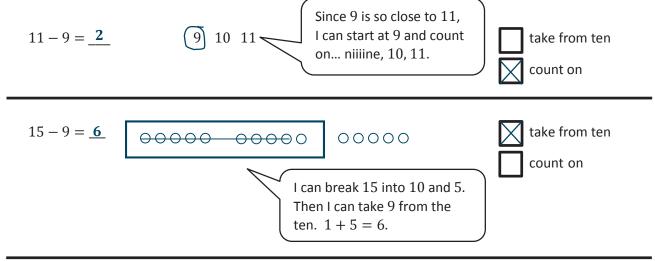




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#### G1-M2-Lesson 16

1. Complete the subtraction sentences by using either the count on or take from ten strategy. Tell which strategy you used.

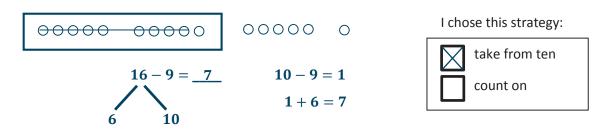


2. Shelley collected 12 rocks. She painted 9 of them. How many of her rocks are not painted? Choose the count on or take from ten strategy to solve.

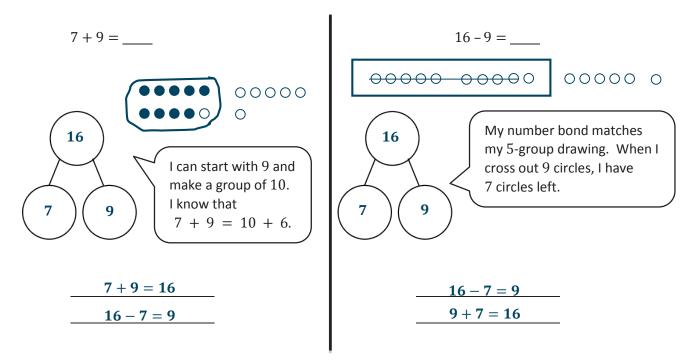




3. The bakery has 16 loaves of bread. They sell 9 loaves before lunch. How many loaves do they have left? Choose the count on or take from ten strategy to solve.



4. Draw 5-groups to show making ten and taking from ten to solve the two number sentences. Make a number bond, and write two additional number sentences that would have this number bond.



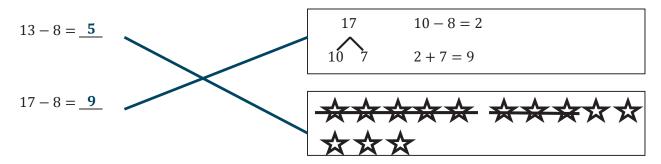


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#### G1-M2-Lesson 17

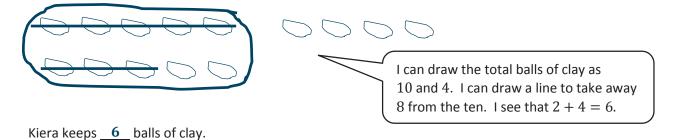
I can take away 8 from the ten. 10 - 8 = 2. Then, I can add 2 to the other part 7. 2 and 7 equals 9.

1. Match the number sentence to the picture or to the number bond.



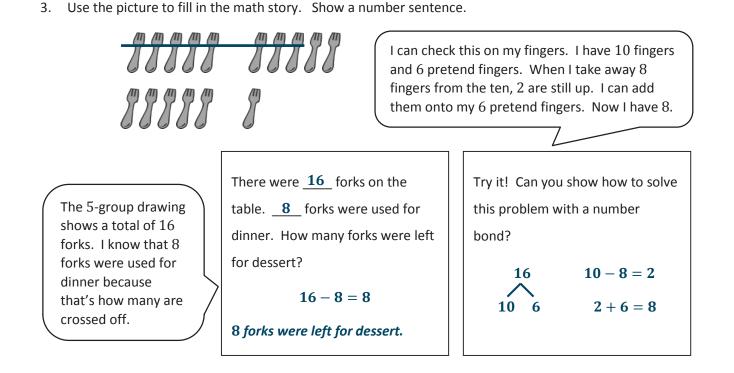
2. Draw and circle 10. Then subtract.

Kiera has 14 balls of clay. She gives 8 balls to her brother. How many balls of clay does Kiera keep?





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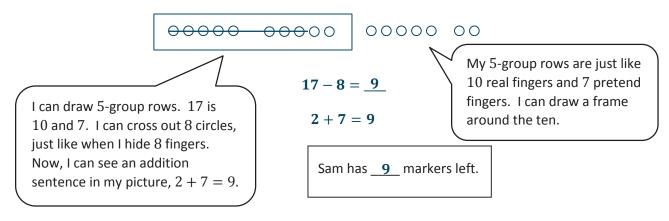


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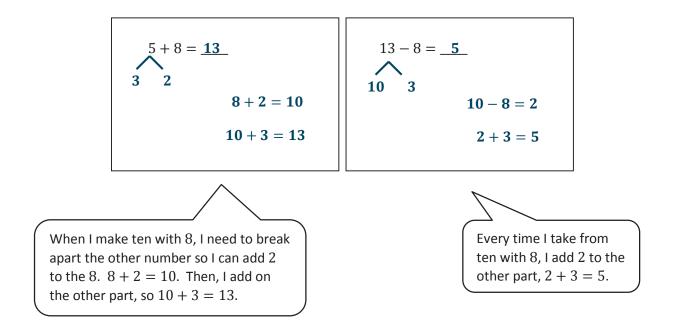
#### G1-M2-Lesson 18

1. Draw 5-group rows, and cross out to solve. Write the 2 + addition sentence that helped you add the two parts.

Sam had 17 markers on his desk. He used 8 markers for his art project. How many markers does Sam have left?



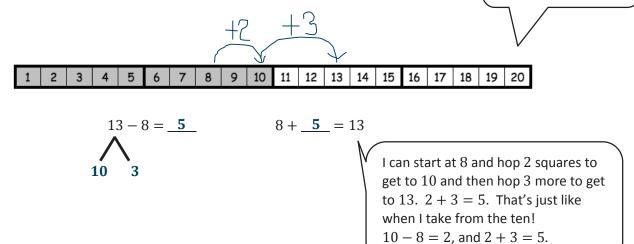
2. Show making ten or taking from ten to solve the number sentences.



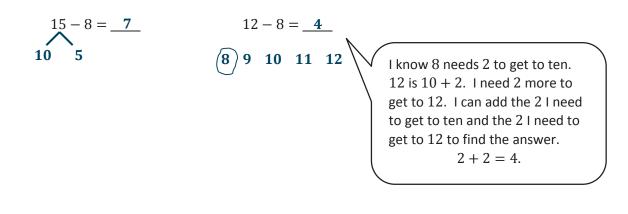


## G1-M2-Lesson 19

1. Complete the subtraction sentence by using the take from ten strategy and count on. I can use the number path to count up by making ten first.



2. Choose the count on strategy or the take from ten strategy to solve.



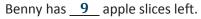


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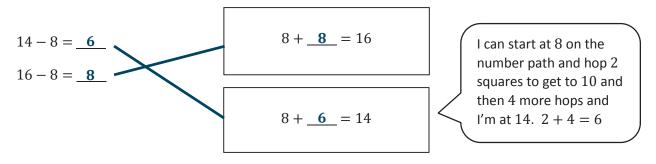
3. Use a number bond to show how you solved using the take from ten strategy.

Benny ate 8 apple slices. If he started with 17, how many apple slices does he have left?



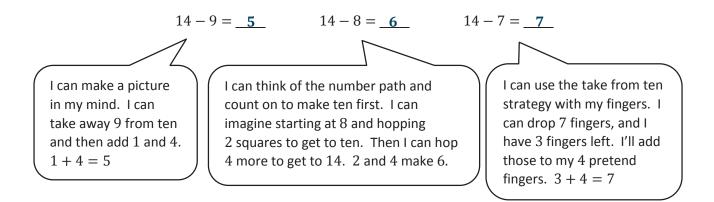


4. Match the addition number sentence to the subtraction number sentence. Fill in the missing numbers.



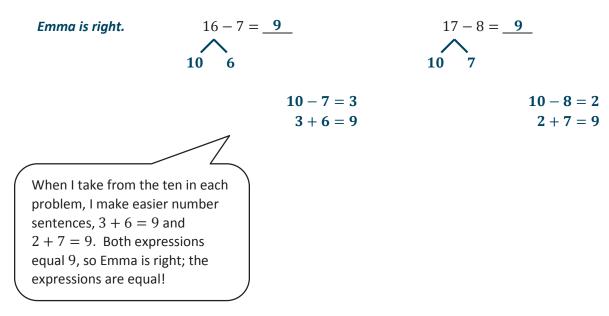
## G1-M2-Lesson 20

1. Complete the number sentences to make them true.



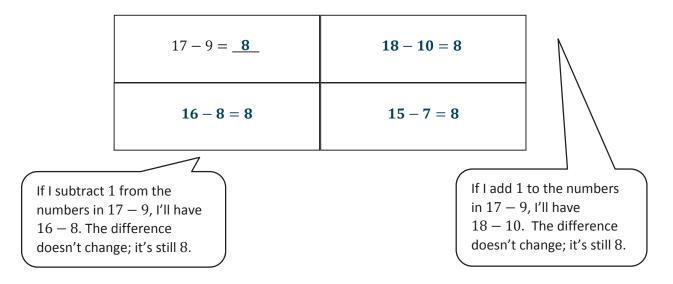
2. Read the math story. Use a drawing or a number bond to show how you know who is right.

Emma says that the expressions 16 - 7 and 17 - 8 are equal. Jordan says they are not equal. Who is right?





Jordan and Emma are trying to find several subtraction number sentences that start with numbers larger than 10 and have an answer of 8. Help them figure out number sentences. They started the first one.





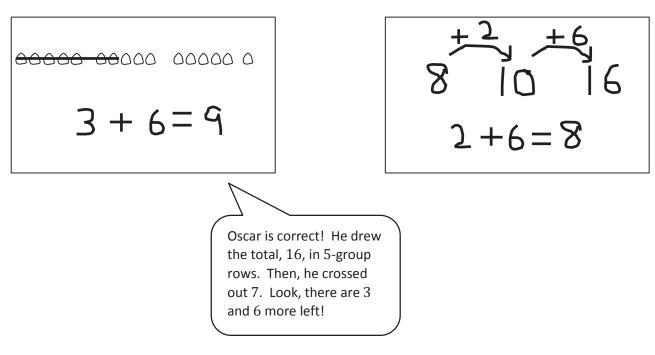
## G1-M2-Lesson 21

Oscar and Jayla both solved the word problems. Write the strategy used under their work. Check their work. If incorrect, solve correctly. If solved correctly, solve using a different strategy.

There were 16 granola bars in the oven. 7 of them had nuts. The rest were nut free. How many granola bars were nut free? Jayla used a good strategy, but she didn't start at the correct number 7. She should have counted on 3 to get to 10 (see below).

Oscar's Work





Strategies:

Take from 10

Make 10

Count on

I just knew



a. Strategy: *Take from* 10

$$\begin{bmatrix}
 6 - 7 &= 9 \\
 7 + 3 &= 10 \\
 10 + 6 &= 16 \\
 3 + 6 &= 9
 \end{bmatrix}$$
The make 10 strategy can be used to solve too. 7 needs 3 to make 10. 10 needs 6 to make 16. 3 + 6 = 9

- b. Strategy: <u>Count on</u> 7 10 16
  - 3 + 6 = 9

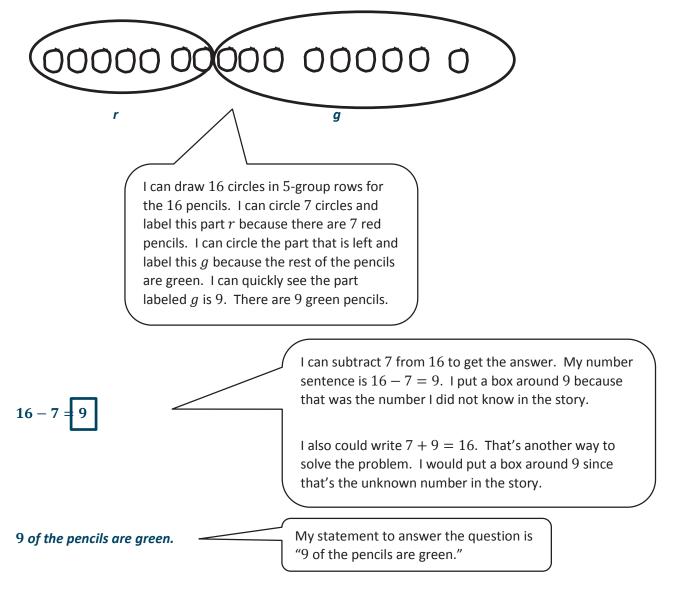


Lesson 21:



Read the problem. Draw and label. Write a number sentence and a statement that matches the story. Remember to draw a box around your solution in the number sentence.

Lee has 16 pencils. 7 of the pencils are red, and the rest are green. How many green pencils does Lee have?





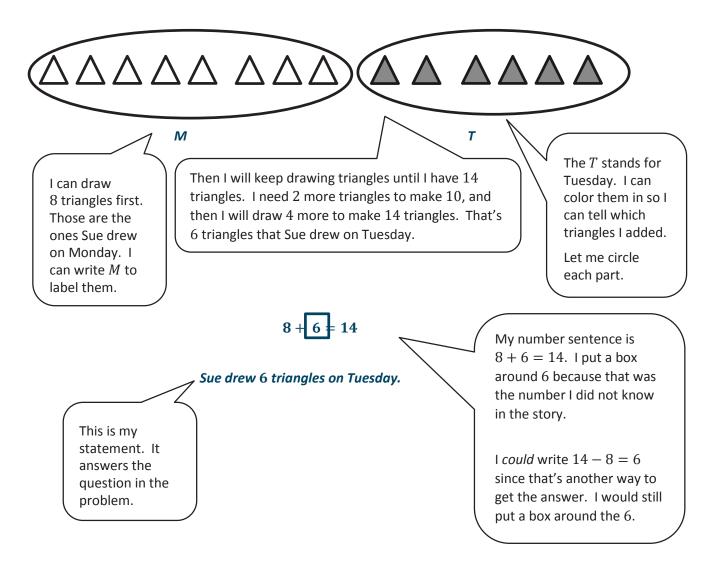
Lesson 22:

Solve *put together/take apart with addend unknown* word problems, and relate counting on to the take from ten strategy.

#### G1-M2-Lesson 23

Read the problem. Draw and label. Write a number sentence and a statement that matches the story.

Sue drew 8 triangles on Monday and some more triangles on Tuesday. Sue drew 14 triangles in total. How many triangles did Sue draw on Tuesday?



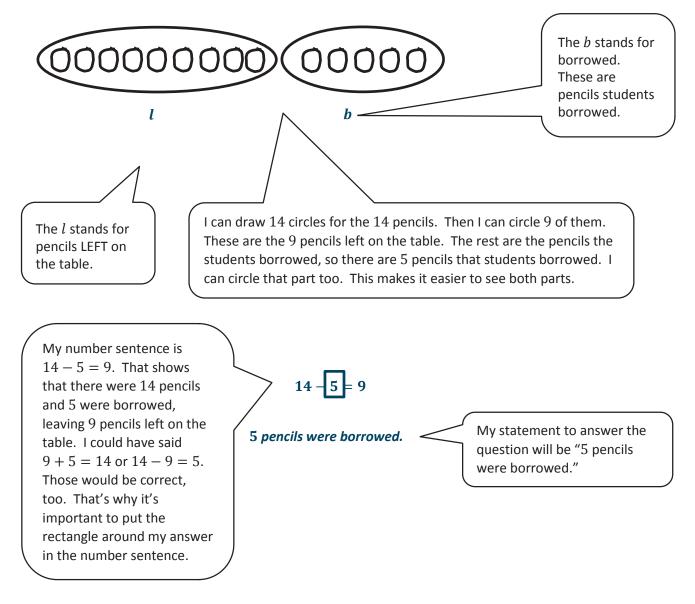


Lesson 23:

#### G1-M2-Lesson 24

Read the problem. Draw and label. Write a number sentence and a statement that match the story.

There were 14 pencils on the table. Some students borrowed pencils. There were 9 pencils left on the table. How many pencils did the students borrow?





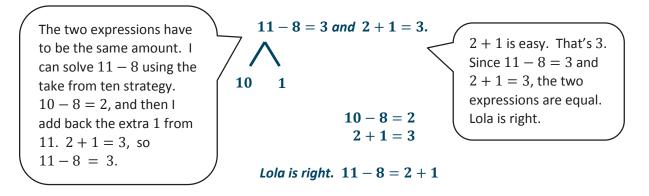
# G1-M2-Lesson 25

1. Circle "true" or "false."

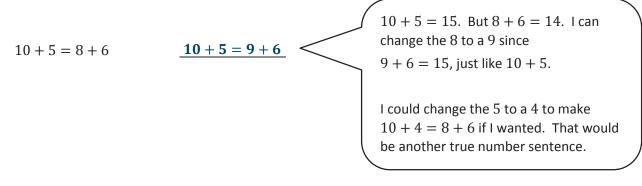
|               |                | The two equations have to be the same amount. |  |
|---------------|----------------|---|--|
| Equation      | True or False? |   | 9 + 1 = 10   |
| 9 + 1 = 5 + 4 | True False     |   | 5 + 4 = 9<br>They are not the same. I<br>need to circle <i>false</i> . |

2. Lola and Charlie are using expression cards to make true number sentences. Use pictures and words to show who is right.

Charlie picked 11 - 8, and Lola picked 2 + 1. Charlie says these expressions are not equal, but Lola disagrees. Who is right? Use a picture to explain your thinking.



3. The following addition number sentence is FALSE. Change one number in each problem to make a TRUE number sentence, and rewrite the number sentence.

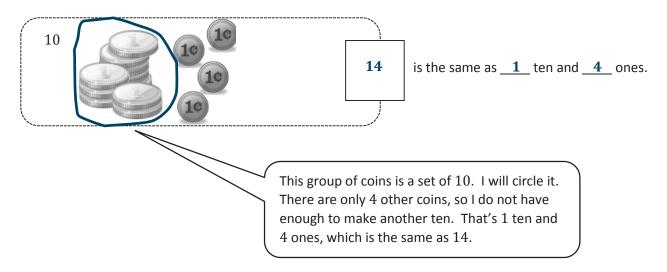




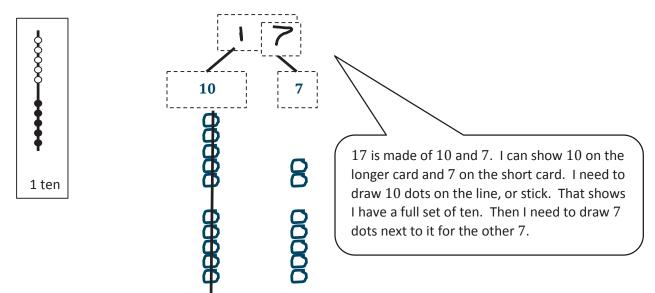
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# G1-M2-Lesson 26

1. Circle ten. Write the number. How many tens and ones?

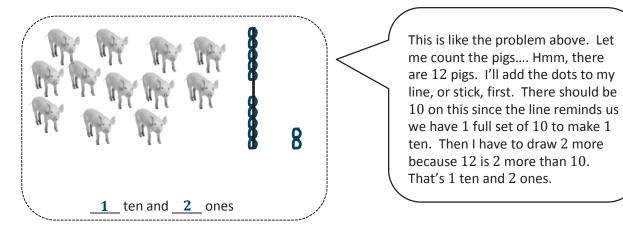


2. Use the Hide Zero pictures to draw the ten and ones shown on the cards.

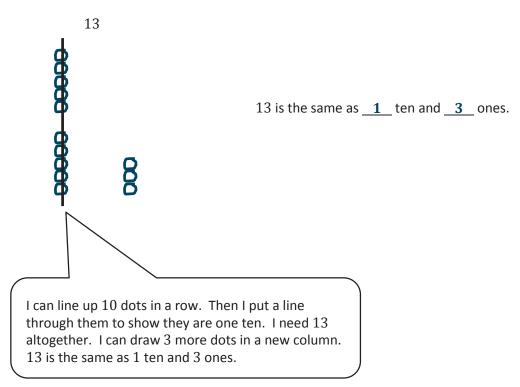




3. Draw using 5-group columns to show the tens and ones.



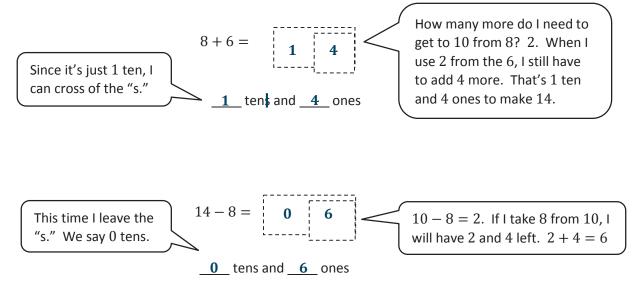
4. Draw your own examples using 5-group columns to show the tens and ones.





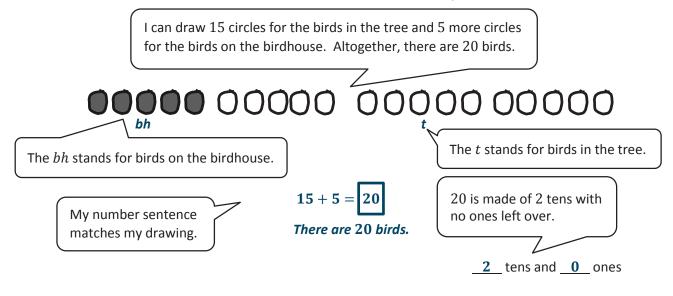
#### G1-M2-Lesson 27

1. Solve the problems. Write the answers to show how many tens and ones. If there is only one ten, cross off the "s."



2. Read the word problem. Draw and label. Write a number sentence and statement that matches the story. Rewrite your answer to show its tens and ones. If there is only 1 ten, cross of the "s."

Jack sees 5 birds on the birdhouse and 15 birds in the tree. How many birds does Jack see?



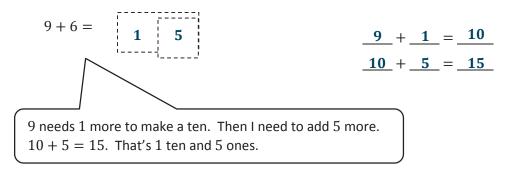


Solve addition and subtraction problems decomposing and composing teen numbers as 1 ten and some ones.

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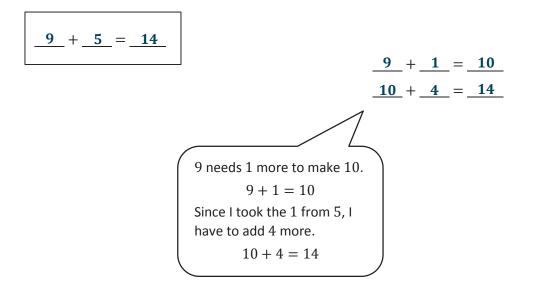
## G1-M2-Lesson 28

1. Solve the problems. Write your answers to show how many tens and ones.



2. Solve. Write the two number sentences for each step to show how you make a ten.

Ani had 9 flowers. She picks 5 new flowers. How many flowers does Ani have?

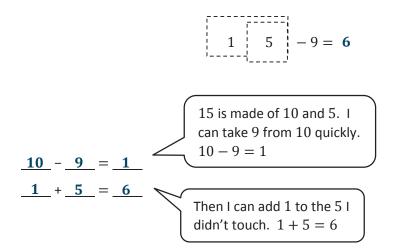




#### G1-M2-Lesson 29

Solve the problems. Write your answers to show how many tens and ones. Show your solution in two steps:

- Step 1: Write one number sentence to subtract from ten.
- Step 2: Write one number sentence to add the remaining parts.





Lesson 29: