Lesson 1: Make number bonds of ten.

Name ________________________________ Date _________________

1. Add or subtract. Complete the number bond for each set.

   - $3 + 7 = \_\_\_$
   - $9 + 1 = \_\_\_$
   - $7 + 3 = \_\_\_$
   - $1 + 9 = \_\_\_$
   - $10 - 7 = \_\_\_$
   - $10 - 1 = \_\_\_$
   - $10 - 3 = \_\_\_$
   - $10 - 9 = \_\_\_$

2. Circle all the number sentences that are true.

   - $0 + 10 = 10$
   - $6 + 3 = 10$
   - $5 + 5 = 10$
   - $9 + 1 = 10$
   - $2 + 9 = 10$
   - $6 + 4 = 10$
   - $3 + 7 = 10$
   - $1 + 10 = 10$

3. Fill in the missing numbers.

   - $4 + \_\_\_ = 10$
   - $10 - 6 = \_\_\_$
   - $10 = \_\_\_ + 6$
   - $\_\_\_ = 10 - 4$
4. Complete the number bonds.

5. Jim had $6 in the bank. He found some money on a park bench and put it in the bank. He now has $10 in the bank. How much money did he find?

6. Natasha was given some money for her birthday. She spent $7 on a bow and $3 on a hair clip. If she used all of her money, how much money was Natasha given? Solve using words, math drawings, or numbers.
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Complete each number bond to make 10. Write at least one addition and one subtraction sentence to accompany each bond.

\[
\begin{align*}
[0] & \quad [1] \\
\end{align*}
\]

\[
\begin{align*}
0 + \_\_\_ = \_\_\_ \\
1 + \_\_\_ = \_\_\_ \\
\_\_\_ - \_\_\_ = \_\_\_ \\
\_\_\_ - \_\_\_ = \_\_\_
\end{align*}
\]

\[
\begin{align*}
2 + \_\_\_ = \_\_\_ \\
3 + \_\_\_ = \_\_\_ \\
\_\_\_ - \_\_\_ = \_\_\_ \\
\_\_\_ - \_\_\_ = \_\_\_
\end{align*}
\]

\[
\begin{align*}
4 + \_\_\_ = \_\_\_ \\
5 + \_\_\_ = \_\_\_ \\
\_\_\_ - \_\_\_ = \_\_\_ \\
\_\_\_ - \_\_\_ = \_\_\_
\end{align*}
\]
1. Complete the number bonds

2. Find the unknown numbers that make the number sentences true.

\[
\begin{align*}
9 - 5 &= \_\_\_ \\
3 + \_\_\_ &= 8 \\
8 - \_\_\_ &= 4 \\
18 &= \_\_\_ + 10 \\
\_\_\_ - 5 &= 4 \\
\end{align*}
\]

\[
\begin{align*}
8 - 5 &= \_\_\_ \\
3 + \_\_\_ &= 7 \\
6 - \_\_\_ &= 3 \\
17 &= 7 + \_\_\_ \\
\_\_\_ - 6 &= 3 \\
\end{align*}
\]

3. Maria put some cups on the table. Jesse put 7 more. There were 17 cups in all. How many cups did Maria put on the table? Show your thinking using words, math drawings, or numbers.
4. Fill in the missing numbers:

11 is _____ and 1  
13 is _____ and 3

15 is 10 and _____  
10 and _____ is 19

10 and 8 is _____  
12 is 10 and _____

5. Your older sister says, “3 + 10 is easy”. You can hear the answer when you count the Say Ten way. Use the ten-frame cards to show why this strategy works for 10 + 7 = 17.

![Ten-frame cards](image)

6. Maggie had a bag of marbles. There were 5 yellow marbles, 6 white marbles and 4 blue marbles. How many marbles were there in all? Show your thinking using words, math drawings, or a number sentence.
Lesson 2 Exit Ticket

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1. 7 - 4 = _____

2. 2 + ____ = 8

3. 6 = 9 - _____

4. Mr. Gardener has a box with 12 tomatoes. He gives 2 tomatoes to his sister and another 7 tomatoes to his neighbor. How many tomatoes does he have left? Show your work with a picture and number sentence.

   Mr. Gardener has ____ tomatoes.
1. Solve the facts by recording make ten solutions with number bonds. Then draw a line connecting each one with the number sentence showing how you added the remaining ones to ten. The first one is done for you.

\[
\begin{align*}
8 + 3 &= 10 + 4 \\
2 + 1 &= \\
8 + 6 &= 10 + 3 \\
9 + 4 &= 10 + 1 \\
6 + 5 &= 10 + 2 \\
8 + 8 &= 10 + 1 \\
5 + 7 &= 10 + 6
\end{align*}
\]
2. Fill in the blank to make the sentence true.
   
   a. $5 + \underline{\hspace{1cm}} = 15$
   
   b. $4 + \underline{\hspace{1cm}} = 15$
   
   c. $\underline{\hspace{1cm}} + 9 = 16$
   
   d. $9 + 7 = \underline{\hspace{1cm}}$
   
   e. $\underline{\hspace{1cm}} + 4 = 10 + 3$
   
   f. $6 + \underline{\hspace{1cm}} = 10 + 4$

3. Margaret went to camp for 8 hours on Saturday and 4 hours on Sunday. Sandra went to camp for 6 hours on Saturday and 5 hours on Sunday.
   
   a. How many hours did Margaret spend at camp?
   
   b. How many hours did Sandra spend at camp?

4. Draw to explain how to add 9 and 4 by making ten.
1. Draw to explain $8 + 6 = 10 + 4$.

2. Solve.
   a. $9 + 7 = \_\_\_ + 6$
   b. $\_\_\_ + 3 = 10 + 2$
   c. $7 + \_\_\_ = 10 + 1$
Use basic facts to help you solve with mental math.

1. $13 + 2 = \underline{\phantom{10}}$

2. $11 + 4 = \underline{\phantom{10}}$

3. $14 + \underline{\phantom{10}} = 16$

4. $13 + 6 = \underline{\phantom{10}}$

5. $\underline{\phantom{10}} = 12 + 4$

6. $\underline{\phantom{10}} + 3 = 17$

7. $19 = \underline{\phantom{10}} + 13$

8. $15 - 3 = \underline{\phantom{10}}$

9. $15 - 4 = \underline{\phantom{10}}$

10. $15 - \underline{\phantom{10}} = 13$

11. $17 - 5 = \underline{\phantom{10}}$

12. $\underline{\phantom{10}} = 18 - 2$

13. $\underline{\phantom{10}} - 2 = 17$

14. $14 = \underline{\phantom{10}} - 5$
15. Circle the number sentences that are true.

   13 = 10 + 2
   13 + 7 = 17 + 3
   13 - 2 = 10 + 1
   12 + 5 = 17 + 1

16. Autumn made some cookies. She ate 4 of them and had 16 left. How many did she make?

17. Mrs. Parker read 12 books last year. So far this year she has read three books. How many books has she read altogether?

18. Andy had $48. He spent $5 on a book and gave $3 to his brother. How much money did he have left?
Solve the problems. Write the basic fact that helps you solve each one. The first one is done for you.

1. \(14 - 1 = 13\)  
   Basic Fact: \(4 - 1 = 3\)

2. \(14 + 1 = \)  
   Basic Fact: 

3. \(15 + 3 = \)  
   Basic Fact: 

4. \(18 + 2 = \)  
   Basic Fact: 

5. \(17 - 6 = \)  
   Basic Fact: 

6. \(19 + 7 = \)  
   Basic Fact: 

7. \(16 + 4 = \)  
   Basic Fact: 

8. \(12 + 8 = \)  
   Basic Fact: 
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1. Solve the following problems. Circle the number sentence if you must subtract from the ten.

10 - 2 = _____  
10 - 7 = _____  
10 - 4 = _____

11 - 2 = _____  
11 - 7 = _____  
11 - 4 = _____

12 - 2 = _____  
12 - 7 = _____  
12 - 4 = _____

13 - 2 = _____  
13 - 7 = _____  
13 - 4 = _____

14 - 2 = _____  
14 - 7 = _____  
14 - 4 = _____

15 - 2 = _____  
15 - 7 = _____  
15 - 4 = _____

16 - 2 = _____  
16 - 7 = _____  
16 - 4 = _____

17 - 2 = _____  
17 - 7 = _____  
17 - 4 = _____

18 - 2 = _____  
18 - 7 = _____  
18 - 4 = _____

19 - 2 = _____  
19 - 7 = _____  
19 - 4 = _____
2. Fill in the blank to make the number sentence correct.

   11 - 8 = 2 + _____

   14 - 5 = 5 + _____

   17 - 8 = 2 + _____

   16 - 9 = 1 + _____

   13 - 7 = 3 + _____

   18 - 4 = 6 + _____

3. Susan has a new pack of 10 pencils and 4 pencils from an old pack. She gave 6 pencils from the new pack to her brother. How many pencils does she have left?

4. Marco brought his marble collection to school. He has 11 blue marbles and 7 red marbles. At school, Marco lost 3 of his blue marbles.

   a. How many blue marbles does he have now?

   b. How many marbles does he have left?
Lesson 5 Exit Ticket

Name ____________________________  Date ______________

Complete each set.

$$15 - 9$$  \slash  \slash  $$14 - 6$$

$$10 - 9 = ____$$  $$10 - 6 = ____$$

$$1 + 5 = ____$$  $$4 + 4 = ____$$

$$15 - 9 = ____$$  $$14 - 6 = ____$$

$$11 - 8$$  \slash  \slash  $$12 - 7$$

$$10 - _____ = ____$$  $$10 - _____ = ____$$

$$____ + 1 = ____$$  $$_____ + 2 = ____$$

$$11 - 8 = ____$$  $$12 - 7 = ____$$
Add or subtract. Then write two more related problems for each basic fact.

2 + 4 = _____  6 - 4 = _____

12 + 4 = _____  36 - 4 = _____

22 + 4 = _____  56 - 4 = _____

---

Add or subtract.

1. 2 + 5 = _____  2. 7 - 5 = _____

3. 12 + 5 = _____  4. 27 - 5 = _____

5. 32 + 5 = _____  6. 47 - 5 = _____

7. 72 + 5 = _____  8. 87 - 5 = _____
Lesson 6: Add and subtract within multiples of ten based on understanding place value and basic facts.

Date: 5/8/13

1. \( C \)
2. \( 12 \)

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Lesson 6 Problem Set

2.1

9. \( 3 + 7 = \) _____ 10. \( 10 - 7 = \) _____

11. \( 13 + 7 = \) _____ 12. \( 20 - 7 = \) _____

13. \( 33 + 7 = \) _____ 14. \( 50 - 7 = \) _____

15. \( 53 + 7 = \) _____ 16. \( 70 - 7 = \) _____

Solve.

56 people visited the museum for a tour. 9 people had to leave before the tour was over. How many people were still at the museum for the tour?

Create at least two more sets of problems if you finish early.
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Solve the problems. In the space provided, write a related problem for each of the basic facts.

\[
\begin{align*}
4 + 2 &= &6 - 4 &= &1 + 9 = \\
24 + 2 &= &36 - 4 &= &11 + 9 = \\
84 + 2 &= &76 - 4 &= &61 + 9 = \\
\end{align*}
\]
Solve the addition problems. Draw your bonds.

1. \(78 + 4 = \)
   \(70 + 2 + 2\)

2. \(58 + 5 = \)

3. \(54 + 6 = \)

4. \(88 + 2 = \)

5. \(26 + 8 = \)

6. \(48 + 6 = \)

7. Fill in the blank to make the number sentences true.

\[
\begin{align*}
9 + 1 &= \_\_\_ \\
10 + 2 &= \_\_\_ \\
19 + 3 &= \_\_\_ \\
49 + 3 &= \_\_\_ \\
69 + 3 &= \_\_\_ \\
89 + 3 &= \_\_\_
\end{align*}
\]

\[
\begin{align*}
8 + \_\_\_ & = 10 \\
10 + \_\_\_ & = 15 \\
8 + \_\_\_ & = 15 \\
28 + \_\_\_ & = 30 \\
30 + \_\_\_ & = 35 \\
28 + \_\_\_ & = 35
\end{align*}
\]
Label each number sentence as true or false.

8. $22 + 8 = 20 + 10$ ________________

9. $57 + 5 = 50 + 10 + 2$ ________________

10. $83 + 9 = 80 + 10 + 1$ ________________

11. $68 + 7 = 70 + 5$ ________________

12. $88 + 9 = 90 + 6$ ________________

Solve.

Jorge saved 65 dollars last month. This month he saved 8 more dollars. How much money does he have now?
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Solve the following 4 problems. Show your number bonds. Draw if that will help you.

1. 28 + 4 = _____
   \_/ \_/ 

2. 39 + 4 = _____

3. 27 + 9 = _____

4. 38 + 9 = _____
1. Fill in the blanks to make the number sentences true. Draw number bonds to help you subtract from the ten. The first two are done for you.

Example:

40 - 8 = 32
30 10

41 - 8 = ___
31 10

20 - 8 = ___
21 - 8 = ___

30 - 8 = ___
32 - 8 = ___

90 - 8 = ___
91 - 8 = ___

20 - 9 = ___
22 - 9 = ___

70 - 9 = ___
71 - 9 = ___

40 - 5 = ___
42 - 5 = ___
2. Marisol solved $60 - 2$. What numbers complete the number bond to show how she used “take from 10”?

\[
\begin{array}{c}
60 - 2 = 58 \\
\hline
\end{array}
\]

a. 50, 10
b. 60, 0
c. 54, 6
d. 58, 2

3. Carla has 70 paper clips. She gives 6 away. Write a number sentence that shows how many Carla has left?

\[
\_\_\_\_ \_\_\_ - \_\_\_\_\_\_ = \_\_\_\_\_\_\_\_
\]

4. Isaac has 61 pencils. He gives 8 pencils to a friend. How many pencils does Isaac have left? Draw a picture and write a number sentence to show how you know.

5. Use drawings to explain how to find $31 - 8$ and $43 - 8$. 
Solve the following 4 problems. Show your number bonds. Draw if that will help you.

1. 20 - 8 = ______
2. 60 - 5 = ______
3. 21 - 8 = ______
4. 62 - 5 = ______