Get Ready for 2nd Grade!
Summer Mathematics Activities

Dear Parents, Guardians, and Students,

Summer is a time to relax, explore, and have fun while keeping learning skills strong. Research shows that students can lose up to a month of math learning over the summer. Regular math practice helps students maintain their knowledge and confidence and prepare for the next grade. To help prevent this "summer slide," we have provided a variety of fun and engaging math activities for students to enjoy throughout the summer.

Daily Math Practice

We encourage students to complete one First in Math assignment each day to strengthen their math skills and build fluency.

Using the Summer Math Activity List

- Complete the activities in the boxes and cross off each activity as it is completed.
- Have fun completing a choice activity.
- Record completed activities on the activity log.
- Bring your completed log to school and show it to your new teacher to receive a special gift!

Helpful Materials

Keep these items nearby as you complete your summer math activities:

- Math notebook/journal from the school year
- A folder for organizing activities
- Blank paper
- Pencils
- A deck of playing cards
- Board games
- Coins

Our IB Transdisciplinary Theme, *How We Express Ourselves*, encourages scholars to explore, communicate, and apply ideas. Mathematics offers opportunities for creativity, problem-solving, and critical thinking. Whether cooking, shopping, traveling, or playing games, children can think mathematically in everyday situations.
Most importantly, encourage your child to explain their thinking as they solve problems. Asking questions such as, "How did you figure it out?" helps deepen understanding, build confidence, and strengthen mathematical reasoning.

We wish you a safe, enjoyable, and mathematically engaging summer!
Sincerely,

The Hempstead Public Schools Mathematics Team

Summer Math Activity Log

Activity log for student entering grade_____. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in September.

Activity #	Date Completed	Description of Activity
Example	**7/2/24**	**The Math Problem about drawing 2 dogs. *OR* choice activity, like Candy Land…**
#1		
#2		
#3		
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		
#13		
#14		
#15		
#16		
#17		
#18		
#19		
#20		

Student's Name: _____

Parent Signature: _____

Summer Math Activity Log

Activity log for student entering grade_____. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in August.

Activity #	Date Completed	Description of Activity
#21		
#22		
#23		
#24		
#25		
#26		
#27		
#28		
#29		
#30		
#31		
#32		
#33		
#34		
#35		
#36		
#37		
#38		
#39		
#40		

Student's Name: _____

Parent Signature: _____

Get Ready for Grade 2: Math Activities

Complete these math activities this summer. Each time, choose an activity from the boxes below –or from the back. Cross off a box when you do it and record the activity on your math log.

Count from 87 to 120 and back.	Choose from the Problem Set!! 	Use your shapes to make a Fourth of July picture.	Use quick tens and ones to draw 76.	Choose from the Problem Set!! 
Do counting squats. Count from 45 to 60 and back the Say Ten Way.	Choose from the Problem Set!! 	Choose from the Problem Set!! 	Solve 36 + 20. Draw a picture to show your thinking.	Choose from the Problem Set!! 
Write numbers from 37 to as high as you can in one minute, while whisper-counting the Say Ten Way.	Choose from the Problem Set!! 	Choose from the Problem Set!! 	Choose from the Problem Set!! 	Use real coins or draw coins to show as many ways to make 25 cents as you can.
Choose from the Problem Set!! 	Go on a shape scavenger hunt. Find as many rectangles, triangles, and circles as you can.	Choose from the Problem Set!! 	Use quick tens and ones to draw 45 and 54. Circle the greater number.	Choose from the Problem Set!! 
Write the numbers from 75 to 120.	Choose from the Problem Set!! 	Choose from the Problem Set!! 	Do jumping jacks as you count up by tens to 120 and back down to 0.	Choose from the Problem Set!! 
Choose from the Problem Set!! 	Choose from the Problem Set!! 	Measure the route from your bathroom to your bed. Walk heel to toe, and count your steps.	Choose from the Problem Set!! 	Make a story problem that goes with 17 + 5.

Get Ready for Grade 2

 **Choice Activities** 

1. Read a Cool Mathematics Book:

A Chair for My Mother by Vera B. Williams Benny's Pennies by Pat Brisson Brown Bear, Brown Bear, What do you See? by Eric Carle Chick Chicka 1-2-3 by Bill Martin Emeka's Gift by Ifeoma Onyefulu Inch by Inch by Leo Leonni My Painted House, My Friendly Chicken, and Me by Maya Angelou	Out for the Count by Kathryn Cox Pattern Fish by Trudy Harris Rooster's Off to See the World by Eric Carle Ten Flashing Fireflies by Hilemon Sturges The Greedy Triangle by Marilyn Burns The Very Hungry Caterpillar by Eric Carle This is the Way We go to School by Edith Baer
Find Mathematics Books to Read Online at Epic!: https://www.getepic.com/ Parents can sign up for free!	

2. Use a cool mathematics website!

http://www.gregtangmath.com/games http://www.abcya.com/preschool_games.h tm www.coolmath4kids.com https://www.firstinmath.com/	www.mathplayground.com www.funbrain.com www.zearn.org/

3. Do a counting activity or game:

Close to 20 – Deal 5 cards to each player. Place them face up in front of you. Which three cards add up to be closest to 20? Ex. You turn over the following cards 5, 4, 10, ACE, and 3, and your opponent turns over an ACE, 8, 7, 2, and 3. You can make 19 with the 5, 4, and 10 and your opponent can make 18 with the 8, 7, and
3. You win because 19 is closer to 20.

Make Ten - Like "Go Fish" but players ask for cards that add up to 10 instead of the same number. For example, someone with a 3 would ask if the other player has a 7.

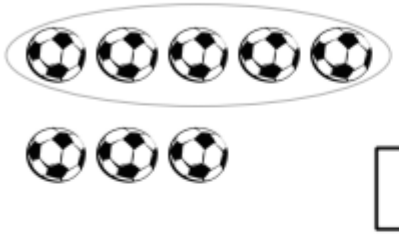
Play a board game such as: Checkers, Memory, Chutes and Ladders, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Candy Land, Connect Four, Legos, K'Nex.

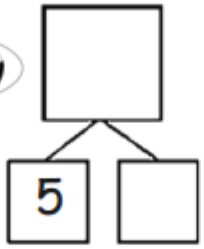
PROBLEM SET

Name _____ Date _____

Circle 5, and then make a number bond.

1.





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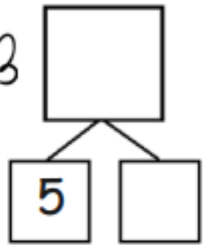

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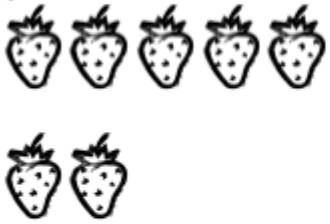

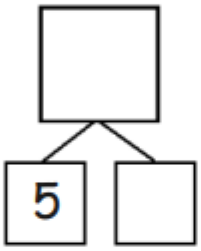

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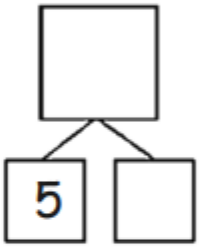
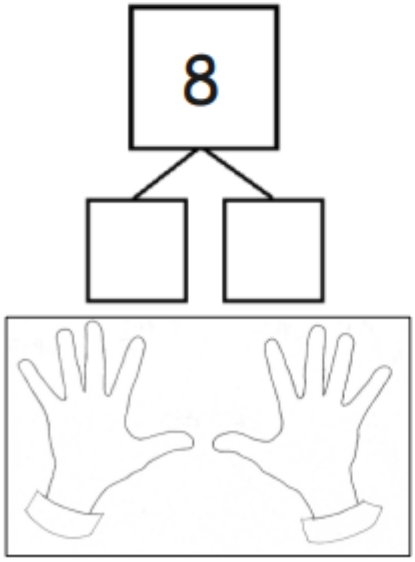


Put nail polish on the number of fingernails shown from left to right. Then, fill in the parts. Make the number of fingernails on one hand a part.

5.



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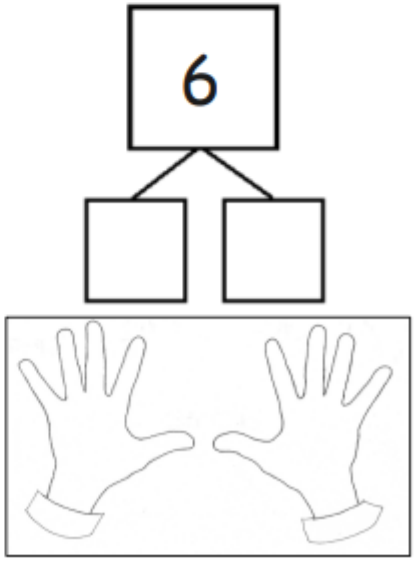
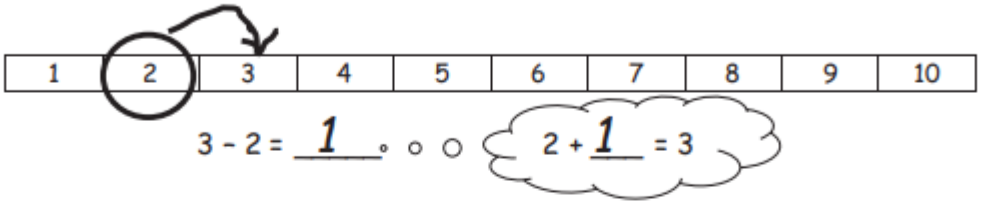
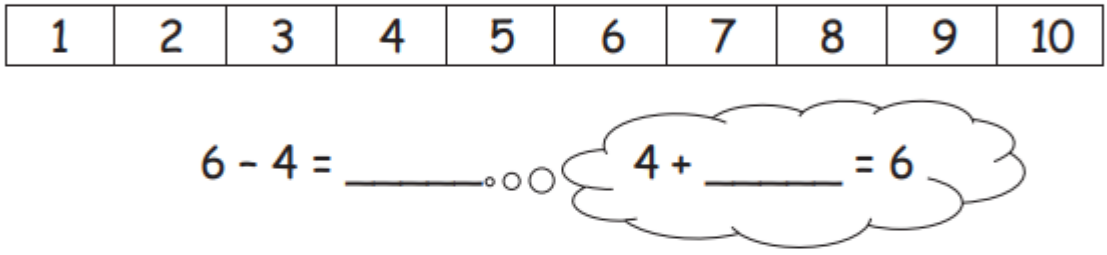


Name _____ Date _____

Use the number path to solve.



1.



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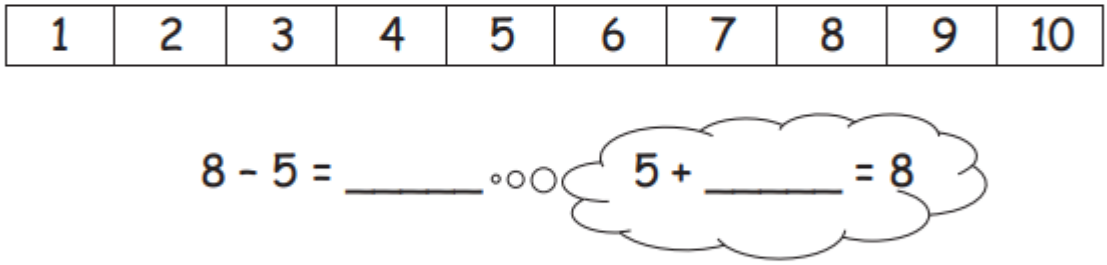

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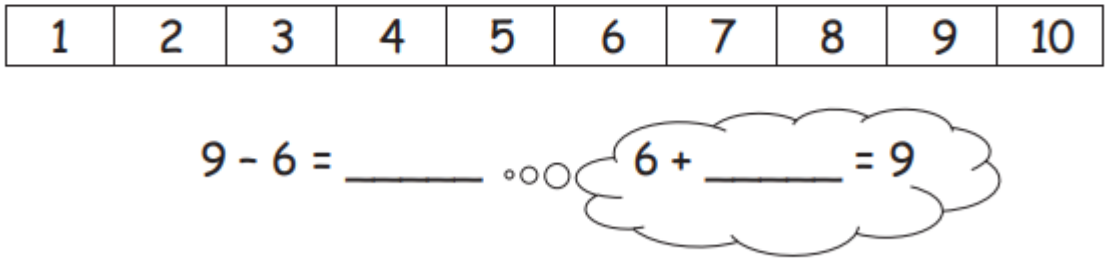

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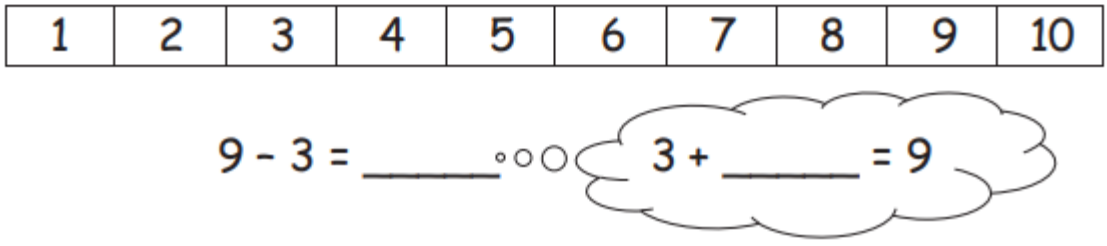


Name _____ Date _____

1	2	3	4	5	6	7	8	9	10

Rewrite the subtraction number sentence as an addition number sentence.
Place a ☐ around the unknown. Use the number path if you want to.

1. 4 – 3 = ☐ _____ + _____ = _____

2. 6 – 2 = ☐ _____ + _____ = _____

3. 7 – 3 = ☐ _____ + _____ = _____

4. 9 – 6 = ☐ _____

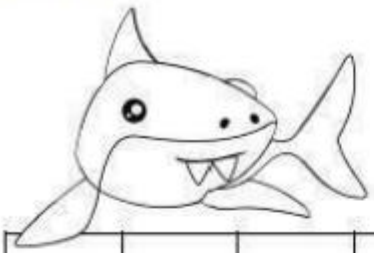
5. 10 – 2 = ☐ _____

Use the number path to count on.

6. 8 – 4 = _____ 4 + _____ = 8

7. 9 – 5 = _____ 5 + _____ = 9

Name: _____

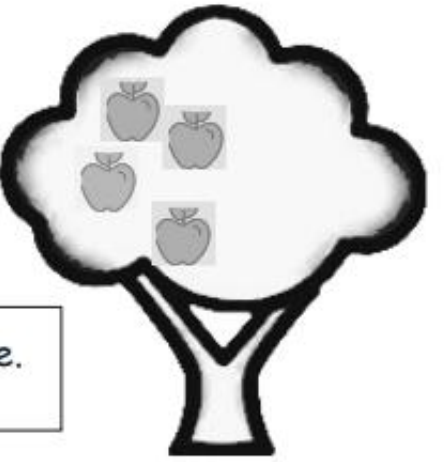


Count to 120

1				5				9	
	12				16		18		
		23		25					30
			34			37		39	
41					46		48		
	52		54			57			
		63			66				70
71				75			78		
		83				87			90
	92		94					99	
				105			108		
111					116			119	

Name _____ Date _____

1. Draw more apples to solve 4 + ? = 6.



4 + ☐ = 6

I added _____ apples to the tree.

2. How many more to make 7?

5 + ☐ = 7

3. How many more to make 8?

6 + ☐ = 8

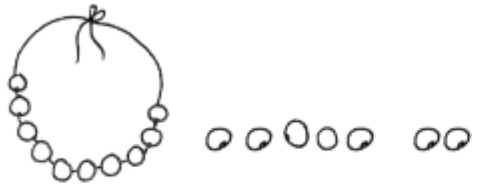
4. How many more to make 9?

7 + ☐ = 9

Name _____ Date _____

Write the tens and ones and say the numbers. Complete the statement.

1.

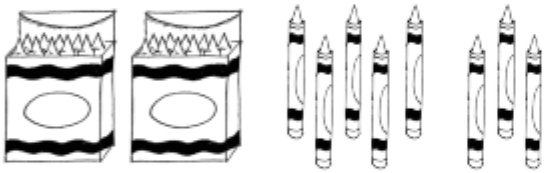


17 = ____ ten ____ ones

2.

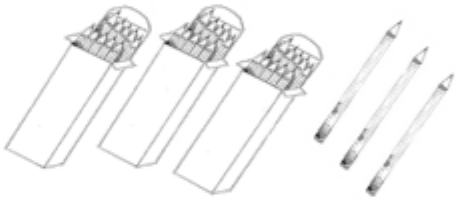
26 = ____ tens ____ ones

3.



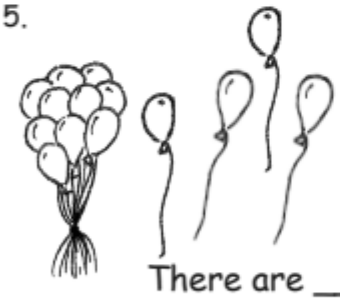
28 = ____ tens ____ ones

4.



____ tens ____ ones = 33

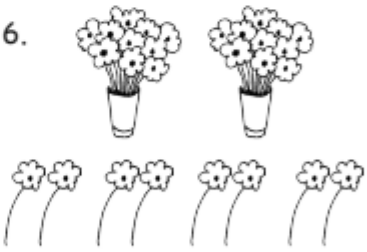
5.



tens	ones

There are _____ balloons.

6.



tens	ones

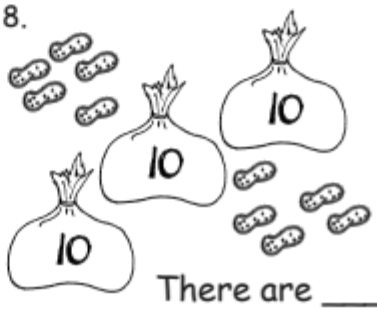
There are _____ flowers.

7.

tens	ones

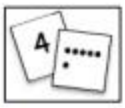
There are _____ marbles.

8.



tens	ones

There are _____ peanuts.



4. Use your 5-group cards to count on to add. Try to use as few dot cards as you can.

a. $6 + 1 = \square$

b. $6 + 3 = \square$

c. $7 + 2 = \square$

d. $\square = 5 + 3$

5. Use your 5-group cards, your fingers, or your known facts to count on to add.

a. $8 + 2 = \square$

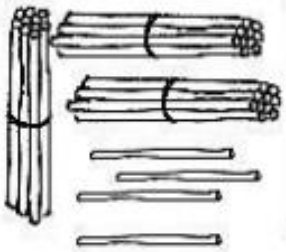
b. $\square = 4 + 1$

c. $4 + 3 = \square$

d. $\square = 6 + 3$

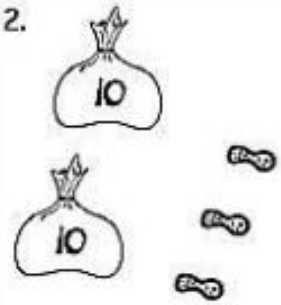
Name _____ Date _____

Write the tens and ones and complete the statement.

1. 

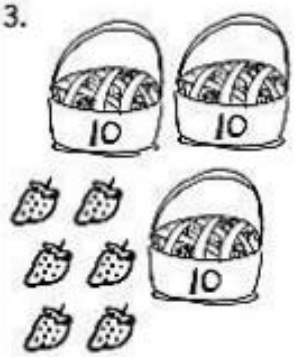
tens	ones

There are _____ straws.

2. 

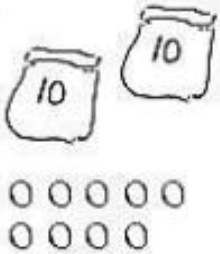
tens	ones

There are _____ peanuts.

3. 

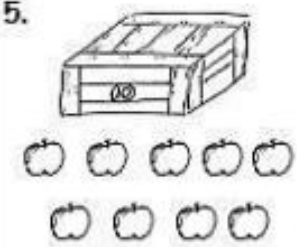
tens	ones

There are _____ strawberries.

4. 

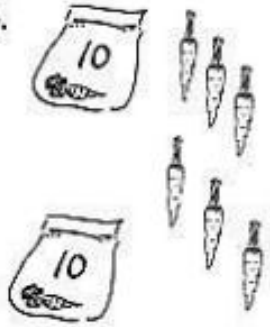
tens	ones

There are _____ beads.

5. 

tens	ones

There are _____ apples.

6. 

tens	ones

There are _____ carrots.

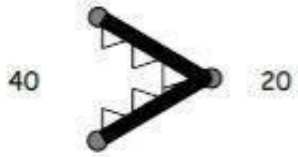
Name _____ Date _____

*Write the missing number in the sequence.

1.	0, 1, 2, ___		16.	15, ___, 13, 12	
2.	10, 11, 12, ___		17.	___, 24, 23, 22	
3.	20, 21, 22, ___		18.	6, 16, ___, 36	
4	10, 9, 8, ___		19.	7, ___, 27, 37	
5	20, 19, 18, ___		20.	___, 19, 29, 39	
6.	40, 39, 38, ___		21.	___, 26, 16, 6	
7.	0, 10, 20, ___		22.	34, ___, 14, 4	
8.	2, 12, 22, ___		23.	___, 20, 21, 22	
9.	5, 15, 25, ___		24.	29, ___, 31, 32	
10.	40, 30, 20, ___		25.	5, ___, 25, 35	
11.	39, 29, 19, ___		26.	___, 25, 15, 5	
12.	7, 8, 9, ___		27.	2, 4, ___, 8	
13.	7, 8, ___, 10		28.	___, 14, 16, 18	
14.	17, ___, 19, 20		29.	8, ___, 4, 2	
15.	15, 14, ___, 12		30.	___, 18, 16, 14	

Name _____ Date _____

1. Use the symbols to compare the numbers. Fill in the blank with <, >, or = to make a true number sentence. Read the number sentences from left to right.



40 (>) 20

40 is greater than 20.

18 (<) 20

18 is less than 20.

a. 27 ◯ 24	b. 31 ◯ 28	c. 10 ◯ 13
d. 13 ◯ 15	e. 31 ◯ 29	f. 38 ◯ 18
g. 27 ◯ 17	h. 32 ◯ 21	i. 12 ◯ 21

Name _____ Date _____

1. Circle the alligator that is eating the *greater* number.

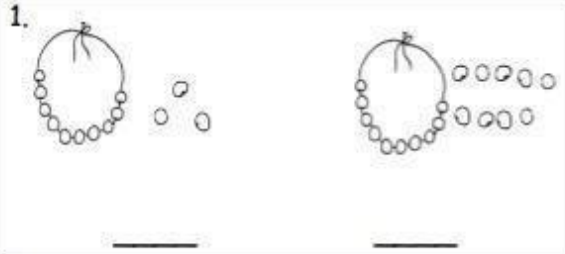
a.	b.	c.	d.
40 20	10 30	18 14	19 36

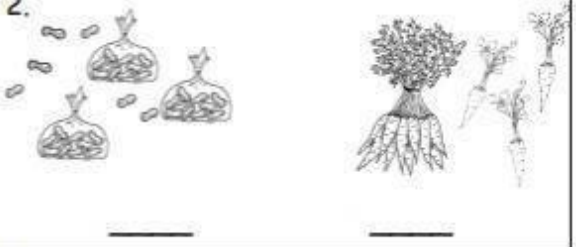
2. Write the numbers in the blanks so that the alligator is eating the *greater* number. With a partner, compare the numbers out loud, using *is greater than*, *is less than*, or *is equal to*. Remember to start with the number on the left.

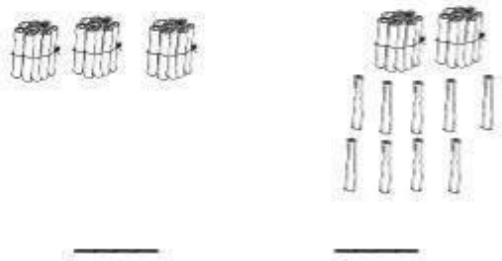
a. 24 4 ___ > ___	b. 38 36 ___ < ___	c. 15 14 ___ < ___
d. 20 2 ___ > ___	e. 36 35 ___ < ___	f. 20 19 ___ > ___
g. 31 13 ___ > ___	h. 23 32 ___ < ___	i. 21 12 ___ < ___

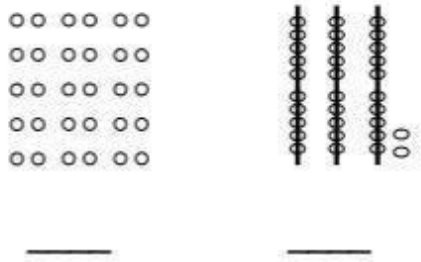
Name _____ Date _____

For each pair, write the number of items in each set. Then, circle the set with the *greater* number of items.

1. 

2. 

3. 

4. 

5. Circle the number that is *greater* in each pair.

a.	1 ten 2 ones	3 tens 2 ones
b.	2 tens 8 ones	3 tens 2 ones
c.	19	15
d.	31	26

6. Circle the set of coins that has a *greater* value.

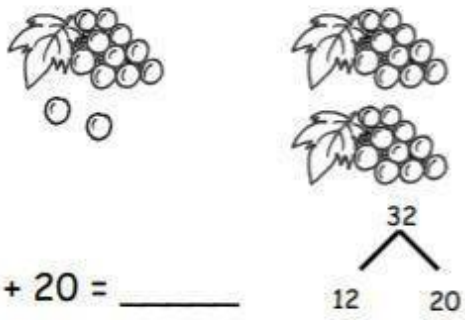
3 dimes

3 pennies

Name _____ Date _____

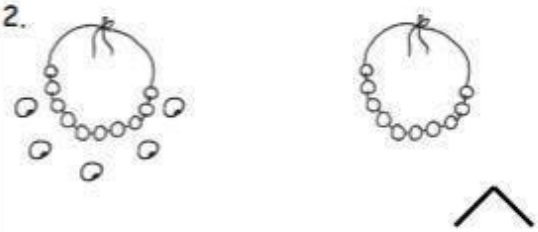
Fill in the missing numbers to match the picture. Write the matching number bond.

1.



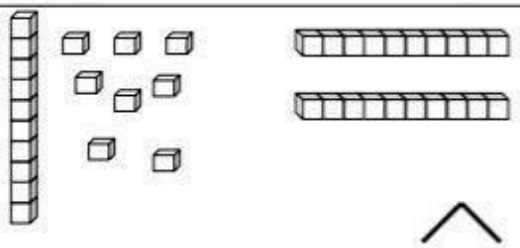
12 + 20 = _____

2.



15 + _____ = _____

3.



_____ + _____ = _____

4.

_____ + _____ = _____

Draw using quick tens and ones. Complete the number bond, and write the sum in the place value chart and the number sentence.

5.

19 + 10 = _____

tens	ones

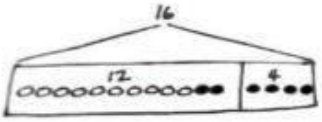
6.

20 + 14 = _____

tens	ones

Name _____ Date _____

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



1. 9 dogs were playing at the park. Some more dogs came to the park. Then, there were 11 dogs. How many more dogs came to the park?

_____ more dogs came to the park.

2. 16 strawberries are in a basket for Peter and Julio. Peter eats 8 of them. How many are there for Julio to eat?

Julio has _____ strawberries to eat.

3. 13 children are on the roller coaster. 3 adults are on the roller coaster. How many people are on the roller coaster?

There are _____ people on the roller coaster.

4. 13 people are on the roller coaster now. 3 adults are on the roller coaster, and the rest are children. How many children are on the roller coaster?

There are _____ children on the roller coaster.

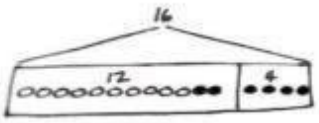
Name _____ Date _____

Draw quick tens and ones to help you solve the addition problems.

1. 16 + 3 = _____	2. 17 + 3 = _____
3. 18 + 20 = _____	4. 31 + 8 = _____
5. 3 + 14 = _____	6. 6 + 30 = _____
7. 23 + 7 = _____	8. 17 + 3 = _____

Name _____ Date _____

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



1. Lee saw 6 squashes and 7 pumpkins growing in his garden. How many vegetables did he see growing in his garden?

Lee saw _____ vegetables.

2. Kiana caught 6 lizards. Her brother caught 6 snakes. How many reptiles do they have altogether?

Kiana and her brother have _____ reptiles.

3. Anton's team has 12 soccer balls on the field and 3 soccer balls in the coach's bag. How many soccer balls does Anton's team have?

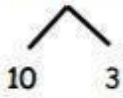
Anton's team has _____ soccer balls.

Name _____ Date _____

1. Solve using number bonds. Write the two number sentences that show that you added the ten first. Draw quick tens and ones if that helps you.

a.

14 + 13 = _____

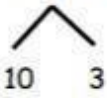


14 + 10 = 24

24 + 3 = 27

b.

13 + 24 = _____

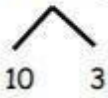


24 + 10 = _____

_____ + 3 = _____

c.

16 + 13 = _____

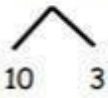


16 + 10 = _____

_____ + 3 = _____

d.

13 + 26 = _____

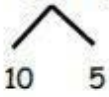


26 + 10 = _____

_____ + _____ = _____

e.

15 + 15 = _____



_____ + _____ = _____

_____ + _____ = _____

f.

15 + 25 = _____

_____ + _____ = _____

_____ + _____ = _____

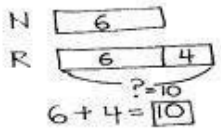
Name _____ Date _____

1. Solve using number bonds. This time, add the tens first. Write the 2 number sentences to show what you did.

a. 11 + 14 = ____	b. 21 + 14 = ____
c. 14 + 15 = ____	d. 26 + 14 = ____
e. 26 + 13 = ____	f. 13 + 24 = ____

Name _____ Date _____

Read the word problem.
Draw a tape diagram or double tape diagram and label.
Write a number sentence and a statement that matches the story.



1. Nikil baked 5 pies for the contest. Peter baked 3 more pies than Nikil. How many pies did Peter bake for the contest?

2. Emi planted 12 flowers. Rose planted 3 fewer flowers than Emi. How many flowers did Rose plant?

3. Ben scored 15 goals in the soccer game. Anton scored 11 goals. How many more goals did Ben score than Anton?

4. Kim grew 12 roses in a garden. Fran grew 6 fewer roses than Kim. How many roses did Fran grow in the garden?

5. Maria has 4 more fish in her tank than Shanika. Shanika has 16 fish. How many fish does Maria have in her tank?

5. Solve.

a. 47 + 40 = _____	b. 57 + 30 = _____
c. 35 + 30 = _____	d. 35 + 50 = _____
e. 30 + 63 = _____	f. 40 + 39 = _____

6. Solve and explain your thinking to a partner.

a. 2 + 50 = _____

b. 58 + 40 = _____

c. 48 + _____ = 98

d. 60 + _____ = 86