

Summer Assignment For Incoming 2nd Graders

Welcome to 2nd Grade:

Research shows that over the summer break, children can lose over two months' of math learning. To help beat this Summer Slide, scholars have been given a Math Summer Assignment. The completed assignment is due on August 14, 2026 and will be worth a Quiz Grade.

We wish you a great Summer Break!

Sincerely,

Archimedean Academy
Math Team

Counting by 2s

Draw the "hops" and write the numbers. Do you need to add or subtract?

The grid contains 7 rows of frog and log illustrations. Each row starts with a frog on a log and ends with a log with a fly. The numbers and arrows are as follows:

Row	Start	Step	Step 1	Step 2	Step 3	Step 4
1	Frog on log (24)	+2	26	28	30	Log with fly (32)
2	Frog on log (37)	-2	35	33	31	Log with fly (29)
3	Frog on log (48)	-2				Log with fly (40)
4	Frog on log (43)	+2		47		Log with fly
5	Frog on log (32)	+2				Log with fly (40)
6	Frog on log (21)	-2			15	Log with fly
7	Frog on log (43)	-2				Log with fly (35)

Counting by 2s

Count by 2s 12 14 16 18 2 22

Count by 2s 31 33 35 37 39 1

Finish each row Count by 2s

17	19	21					
36	38	40					
72	74	76					
43	45	47					
14	16					26	
39		43					53

Finish each row Count by 2s

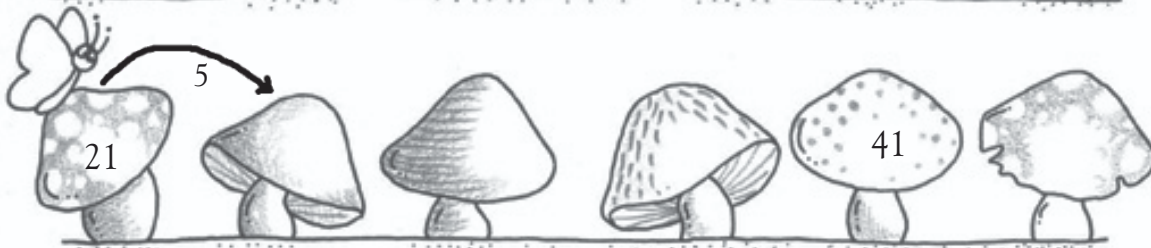
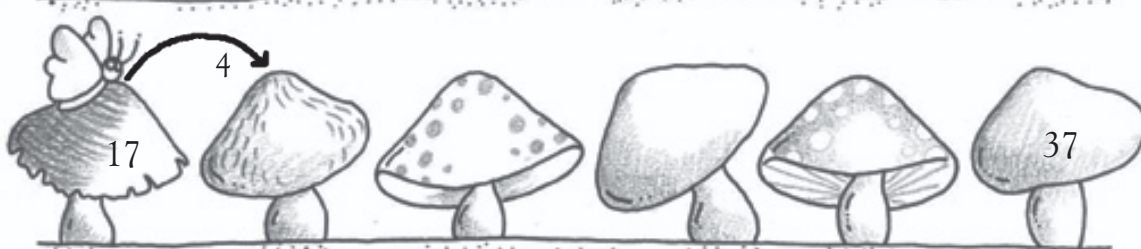
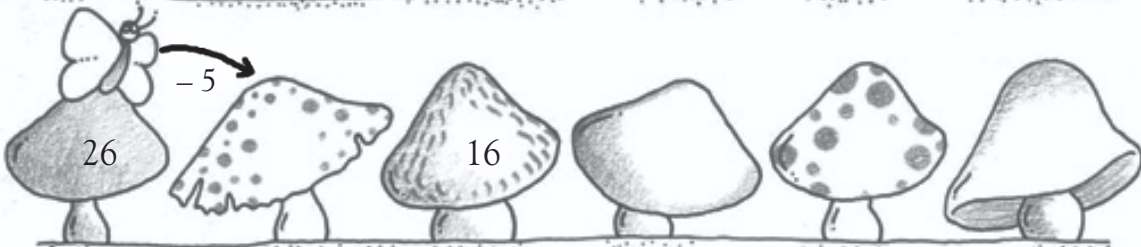
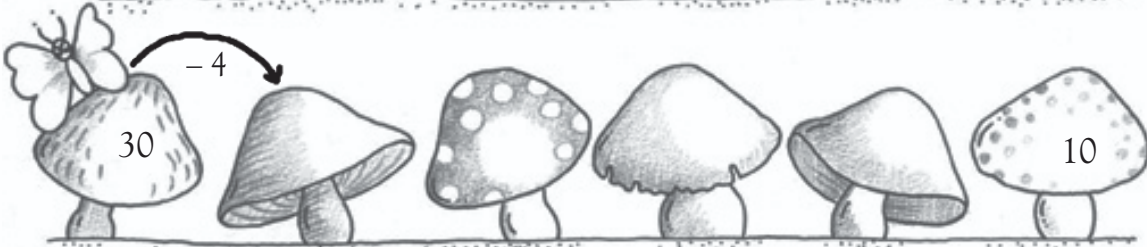
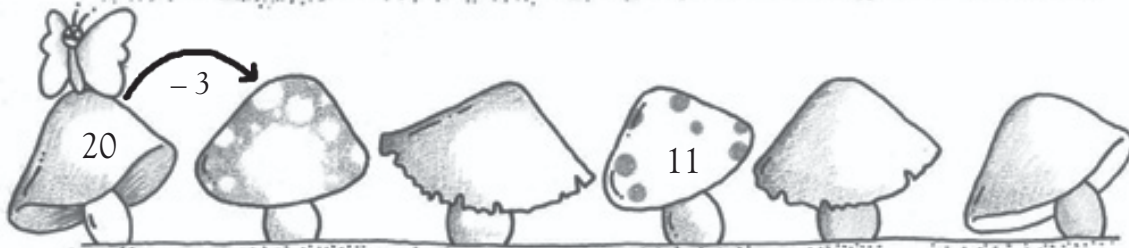
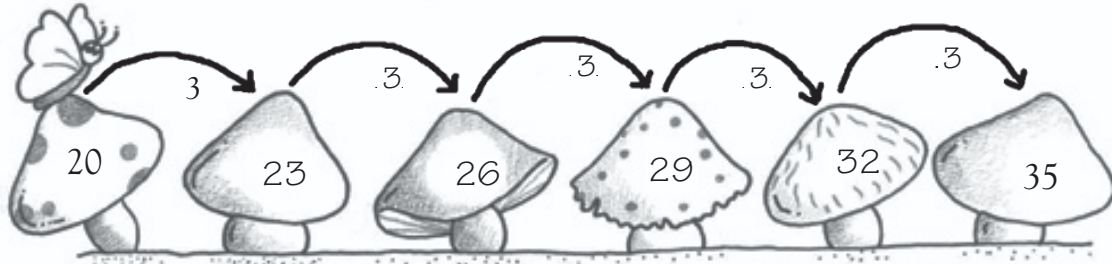
20							34
75							89
44							58
69							83
31							45
88							102

Finish each row Count by 2s

				28			34
			53			59	
					87		91
	48		52				
					97	99	
		50			56		

Counting by 3s, 4s, and 5s

Draw the arrows and write the numbers. Do you need to add or subtract?



Counting by 1s 10s and 100s

Finish each row.

Count by 1s. 24 25 26

Count by 10s. 31 41 51

Count by 100s. 134 234 334

Finish each row. Count by 1s.

17	18	19	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
36	37	38	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
69	70	71	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
45	46	47	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
85	86	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	91	<input type="text"/>

Finish each row. Count by 10s.

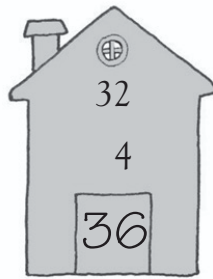
34	44	54	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
47	57	67	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
78	88	98	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9	19	29	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
167	177	<input type="text"/>	197	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
305	<input type="text"/>	<input type="text"/>	335	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Finish each row. Count by 100s.

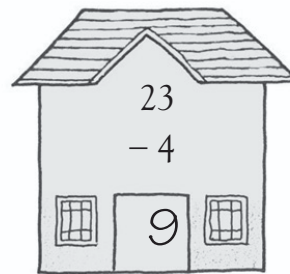
146	246	346	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
312	412	512	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
508	608	708	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
757	857	957	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
274	374	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	974

Odd or even?

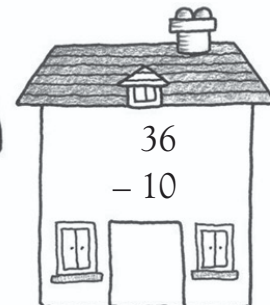
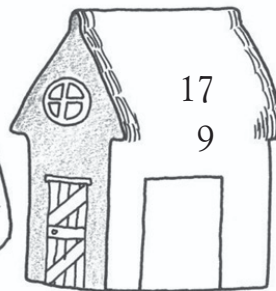
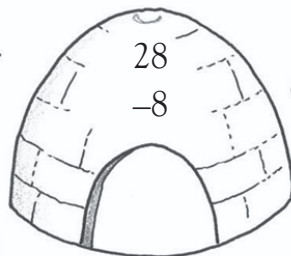
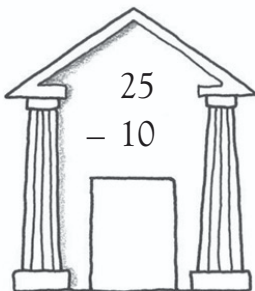
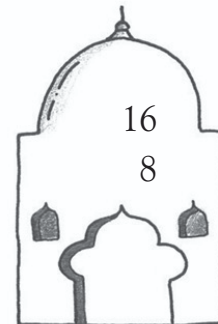
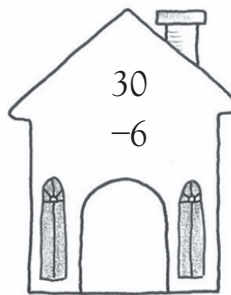
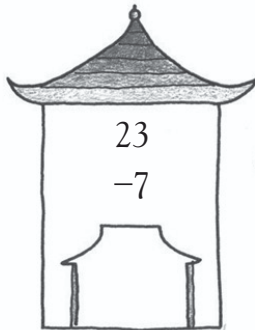
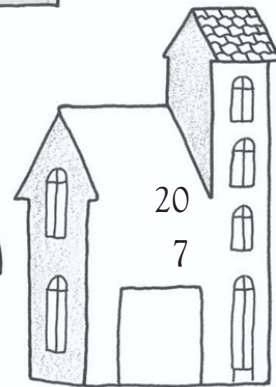
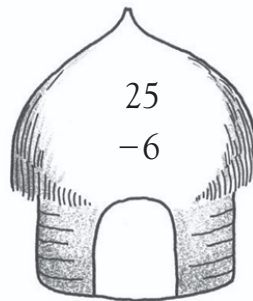
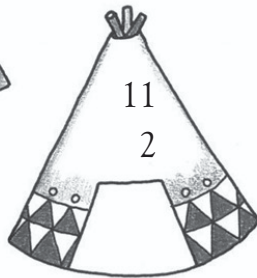
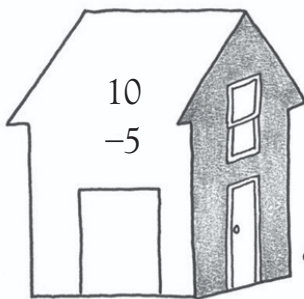
Add or subtract to find the answers.
Choose two colors. Color the odd houses one color
and the even houses another color.



even



odd



Expanded form

Write each number as a sum of tens and ones.

$54 = 50$

$12 =$

$88 =$

$47 =$

$29 =$

$11 =$

$75 =$

$51 =$

$44 =$

$62 =$

$93 =$

$19 =$

$25 =$

$74 =$

$36 =$

Write the missing number.

$80 + 6 = 86$

$90 + 7 = 97$

$+ 3 = 33$

$+ 1 = 61$

$10 + = 15$

$+ 8 = 58$

$20 + = 22$

$70 + = 79$

$+ 3 = 43$

$90 + = 94$

Fact families

Use the 3 numbers to write 4 different facts.

$6 + 7 = 13$	$7 + 6 = 13$	$13 - 7 = 6$	$13 - 6 = 7$
$16 + 4 = 20$	$\dots = \dots$	$\dots - \dots = \dots$	$\dots - \dots = \dots$
$6 + 5 = 11$			
$7 + 8 = 15$			
$8 + 12 = 20$			
$10 + 8 = 18$			
$8 + 9 = 17$			
$9 + 7 = 16$			
$14 + 6 = 20$			
$11 + 8 = 19$			

Addition fact families

Circle the number sentence that is in the same fact family.

$$\begin{array}{l} 12 \quad 5 = 7 \\ 5 \quad 7 = 12 \end{array}$$

$$12 \quad 4 = 8$$

$$\textcircled{7 \quad 5 = 12}$$

$$12 \quad 12 = 24$$

$$\begin{array}{l} 10 \quad 8 = 2 \\ 8 \quad 2 = 10 \end{array}$$

$$8 \quad 6 = 2$$

$$\textcircled{2 \quad 8 = 10}$$

$$8 \quad 2 = 6$$

Circle the number sentence that is in the same fact family.

$$\begin{array}{l} 7 \quad 8 = 15 \\ 8 \quad 7 = 15 \end{array}$$

$$7 \quad 5 = 12$$

$$15 \quad 8 = 7$$

$$8 \quad 7 = 1$$

$$\begin{array}{l} 17 \quad 6 = 11 \\ 11 \quad 6 = 17 \end{array}$$

$$17 \quad 11 = 6$$

$$17 \quad 6 = 23$$

$$5 \quad 6 = 11$$

$$\begin{array}{l} 14 \quad 5 = 9 \\ 14 \quad 9 = 5 \end{array}$$

$$9 \quad 3 = 6$$

$$14 \quad 9 = 23$$

$$5 \quad 9 = 14$$

$$\begin{array}{l} 9 \quad 7 = 16 \\ 7 \quad 9 = 16 \end{array}$$

$$16 \quad 9 = 7$$

$$16 \quad 7 = 23$$

$$9 \quad 7 = 2$$

$$\begin{array}{l} 19 \quad 9 = 10 \\ 19 \quad 10 = 9 \end{array}$$

$$9 \quad 3 = 12$$

$$9 \quad 10 = 19$$

$$18 \quad 8 = 10$$

$$\begin{array}{l} 4 \quad 7 = 11 \\ 11 \quad 4 = 7 \end{array}$$

$$11 \quad 4 = 15$$

$$7 \quad 4 = 11$$

$$7 \quad 7 = 14$$

Write the fact family for each group of numbers.

5, 6, 11

6, 10, 4

5, 13, 8

Odds and evens

Write the answer in the box.

$3 + 3 = 6$ $4 + 6 = 10$ $7 + 3 = 10$ $2 + 6 = 8$

Add the even numbers to the even numbers.

$4 + 8 = \square$ $12 + 6 = \square$ $10 + 6 = \square$ $8 + 14 = \square$
 $20 + 14 = \square$ $14 + 12 = \square$ $16 + 10 = \square$ $30 + 20 = \square$
 $14 + 16 = \square$ $18 + 6 = \square$ $22 + 8 = \square$ $20 + 40 = \square$

What do you notice about each answer? _____

Add the odd numbers to the odd numbers.

$7 + 9 = \square$ $5 + 7 = \square$ $11 + 5 = \square$ $9 + 5 = \square$
 $7 + 7 = \square$ $9 + 3 = \square$ $15 + 5 = \square$ $13 + 7 = \square$
 $11 + 3 = \square$ $17 + 9 = \square$ $15 + 9 = \square$ $13 + 15 = \square$

What do you notice about each answer? _____

Add the odd numbers to the even numbers.

$3 + 8 = \square$ $9 + 12 = \square$ $5 + 18 = \square$ $7 + 14 = \square$
 $11 + 4 = \square$ $13 + 10 = \square$ $15 + 6 = \square$ $21 + 4 = \square$
 $7 + 20 = \square$ $13 + 30 = \square$ $11 + 12 = \square$ $17 + 6 = \square$

What do you notice about each answer? _____

Add the even numbers to the odd numbers.

$6 + 7 = \square$ $8 + 5 = \square$ $10 + 9 = \square$ $2 + 17 = \square$
 $10 + 29 = \square$ $14 + 3 = \square$ $8 + 13 = \square$ $12 + 5 = \square$
 $14 + 7 = \square$ $8 + 51 = \square$ $16 + 9 = \square$ $30 + 17 = \square$

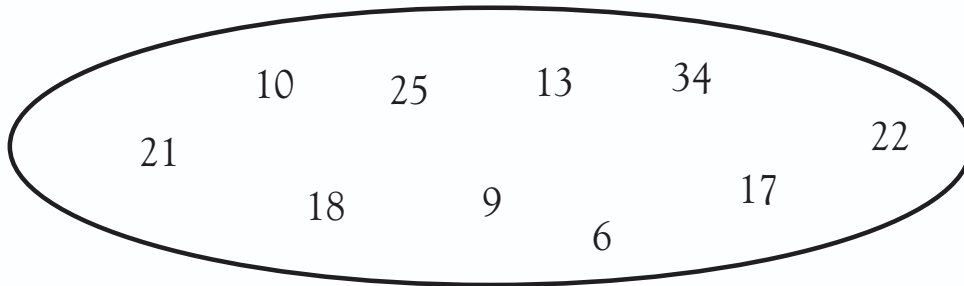
What do you notice about each answer? _____

Odd and even

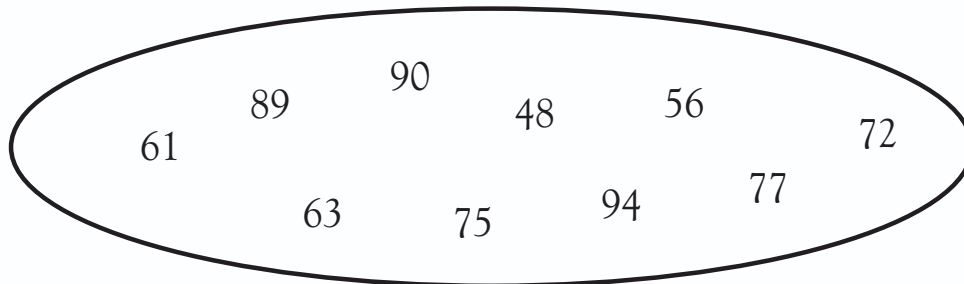
Numbers ending in 0 2 4 6 8 are called even numbers

Numbers ending in 1 3 5 7 9 are called odd numbers

Circle the numbers that are even



Circle the numbers that are odd



Write the odd numbers between 30 and 50

Write the even numbers between 71 and 91

Crossing out

Cross out one type of shape in each box.

12 - 7 =

subtract)

15 - =

23 - =

16 - =

21 - =

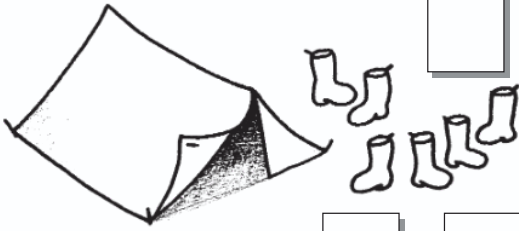
- =

- =

Subtraction

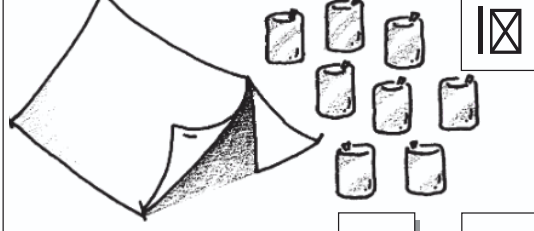
Say and count as you write

10 altogether How many in the tent?



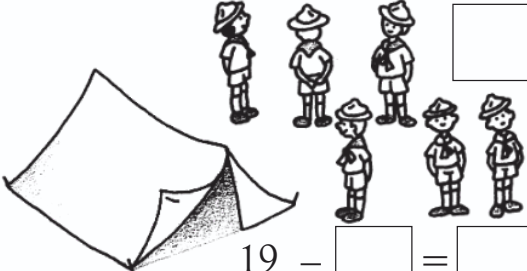
$$10 - 6 = \square$$

18 altogether How many in the tent?



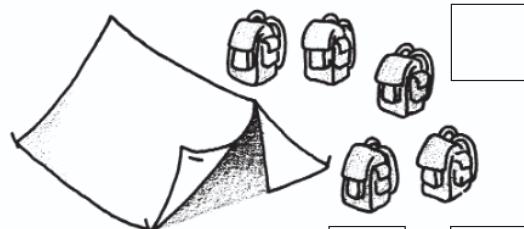
$$18 - \square = \square$$

19 altogether How many in the tent?



$$19 - \square = \square$$

21 altogether How many in the tent?



$$21 - \square = \square$$

Say as you write

$$16 - \square = 12$$

$$18 - \square = 7$$

$$12 - \square = 2$$

$$20 - \square = 14$$

$$19 - \square = 5$$

$$15 - \square = 9$$

$$25 - \square = 4$$

$$27 - \square = 11$$

$$30 - \square = 10$$

Say as you write

$$15 - 5 = \square$$

$$30 - \square = 0$$

$$16 - 0 = \square$$

$$23 - 10 = \square$$

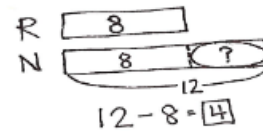
$$40 - \square = 0$$

$$28 - 8 = \square$$

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.



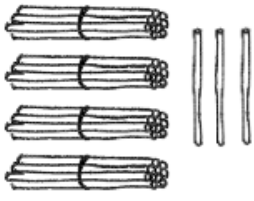
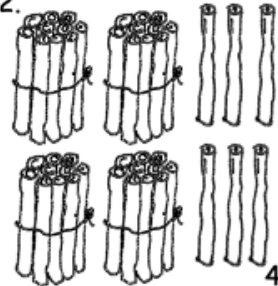
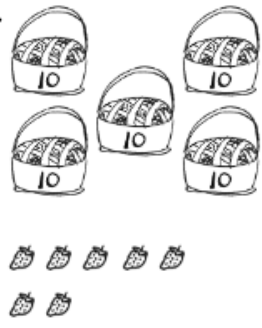

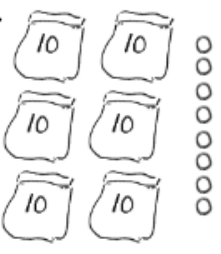
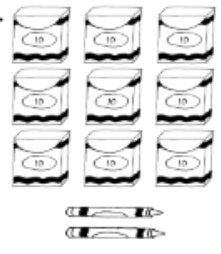
1. Peter has 3 goats living on his farm. Julio has 9 goats living on his farm.
How many more goats does Julio have than Peter?

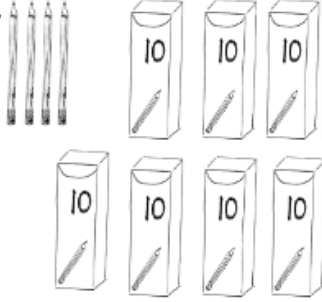
-
2. Willie picked 16 apples in the orchard. Emi picked 10 apples in the orchard.
How many more apples did Willie pick than Emi?

3. Lee collected 13 eggs from the hens in the barn. Ben collected 18 eggs from the hens in the barn. How many fewer eggs did Lee collect than Ben?

-
4. Shanika did 14 cartwheels during recess. Kim did 20 cartwheels. How many more cartwheels did Kim do than Shanika?

Count the objects, and fill in the number bond or place value chart. Complete the sentences to add the tens and ones.

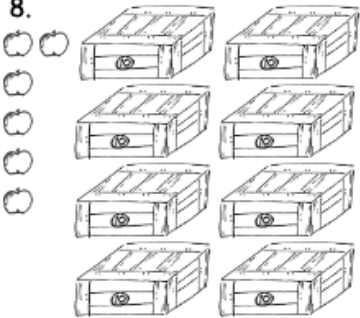
<p>1.</p>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin-left: 10px;"></div> </div> <p style="text-align: center;">40 and 3 make ____.</p> <p style="text-align: center;">$40 + 3 = \underline{\quad}$</p>	<p>2.</p>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin-left: 10px;"></div> </div> <p style="text-align: center;">40 and 6 make ____.</p> <p style="text-align: center;">$40 + 6 = \underline{\quad}$</p>
<p>3.</p>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin-left: 10px;"></div> </div> <p style="text-align: center;">$57 = \underline{\quad} + \underline{\quad}$</p> <p style="text-align: center;">7 more than 50 is ____.</p>	<p>4.</p>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin-left: 10px;"></div> </div> <p style="text-align: center;">$75 = \underline{\quad} + \underline{\quad}$</p> <p style="text-align: center;">5 more than 70 is ____.</p>
<p>5.</p>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin-left: 10px;"></div> </div> <p style="text-align: center;">$\underline{\quad} + \underline{\quad} = \underline{\quad}$</p> <p style="text-align: center;">$\underline{\quad}$ tens + $\underline{\quad}$ ones = ____</p>	<p>6.</p>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin-left: 10px;"></div> </div> <p style="text-align: center;">$\underline{\quad} + \underline{\quad} = \underline{\quad}$</p> <p style="text-align: center;">$\underline{\quad}$ tens + $\underline{\quad}$ ones = ____</p>

7. 

tens	ones

_____ + _____ = _____

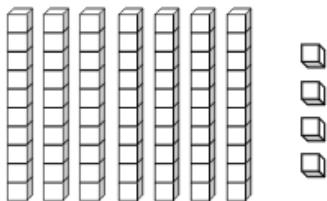
_____ tens + _____ ones = _____

8. 

tens	ones

_____ + _____ = _____

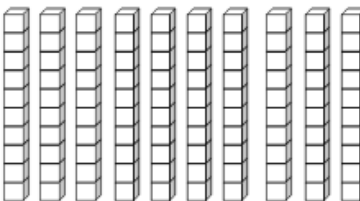
_____ tens + _____ ones = _____

9. 

tens	ones

_____ + _____ = _____

_____ tens + _____ ones = _____

10. 

tens	ones
	0

_____ + _____ = _____

_____ tens + _____ ones = _____

11. Complete the sentences to add the tens and ones.

a. $50 + 6 = \underline{\quad}$

b. $\underline{\quad} + 9 = 89$

c. $5 \text{ tens} + \underline{\quad} \text{ ones} = 56$

d. $9 \text{ ones} + 8 \text{ tens} = \underline{\quad}$

