

KIPP:Nashville

1

GRADE K MATH PRACTICE WORKBOOK

KIPP Nashville Elementary Math



Practice Workbooks

Elementary Math – Grade K

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Practice Workbook A

K.CC.A.3 (to 10) – Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).

Directions: Fill in the missing number.

1	2	3	4		6
---	---	---	---	--	---

1	2		4	5	6
---	---	--	---	---	---

5	6	7		9	10
---	---	---	--	---	----

1	2				
---	---	--	--	--	--


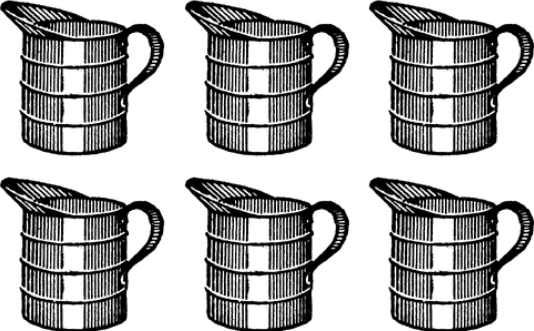
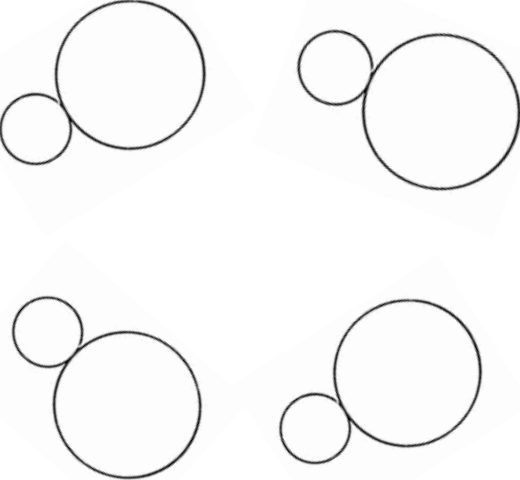

1	2	3		5	
---	---	---	--	---	--

Directions: Write the numbers from 1 to 10.

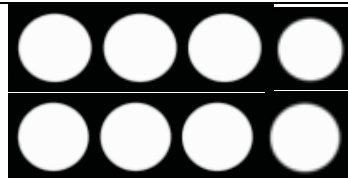
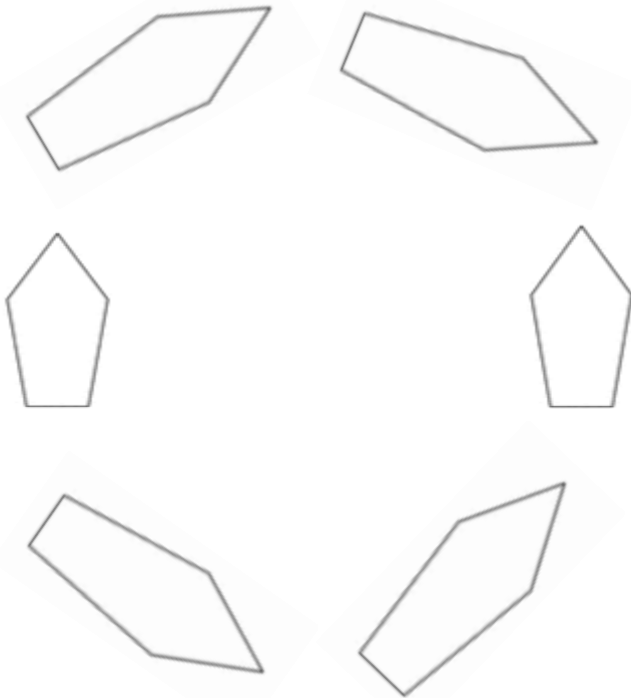
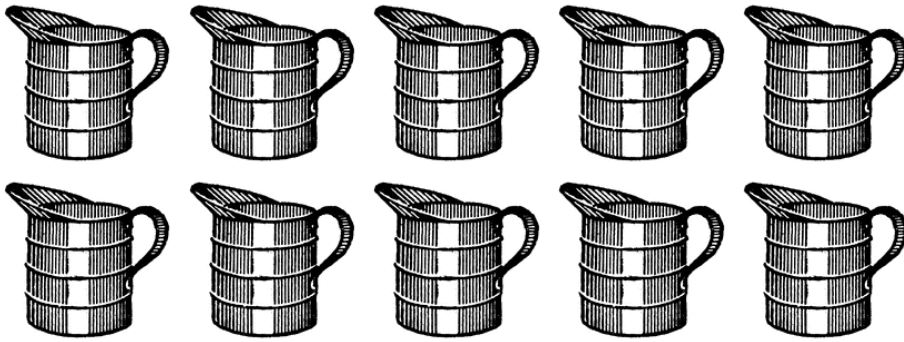
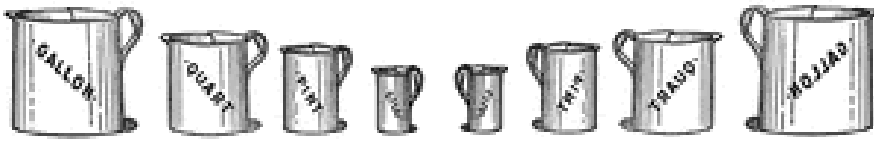
Directions: Write the numbers from 1 to 10.

K.CC.B.5 (to 10) – Count to answer “How many?” questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number 1-20, count out that many objects.

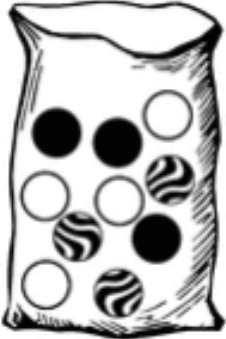


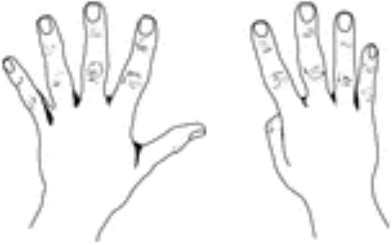
Directions: Count. Write how many.





Directions: Count. Write how many.



Directions: Count. Write how many.

Directions: Count. Write how many.

K.CC.B.4c – Understand that each successive number name refers to a quantity that is one larger.

Directions: Write the number that is one more.


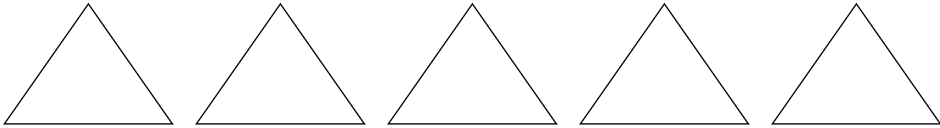
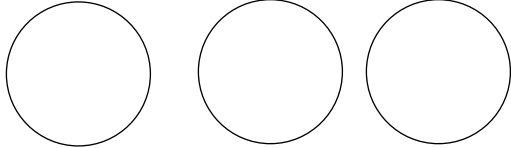
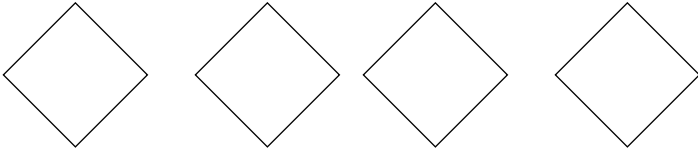
What is one more?	
8	
4	
6	
7	
5	

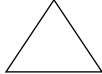
Directions: Write the number that is one more.


What is one more?	
9	
3	
1	
2	

K.MD.B.3 – Classify objects into given categories based on their attributes; count the numbers of objects in each category and sort the categories by the count.

Directions: Color each group of 3.

How many ?  _____

How many ?  _____

Practice Workbook B

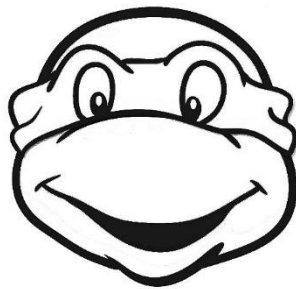
K.G.A.1 (position words) – Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to.

Look at the Ninja Turtle.

Draw a circle **above** the Ninja Turtle.

Draw a triangle **below** the Ninja Turtle.

Draw a rectangle **beside** the Ninja Turtle.



Look at the star.

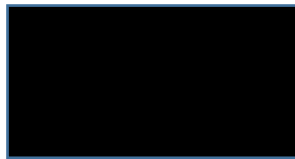
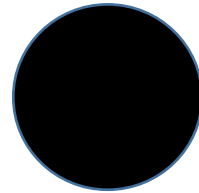
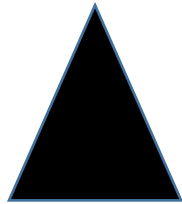
Draw a circle **below** the star.

Draw a triangle **above** the star.

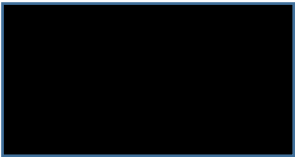
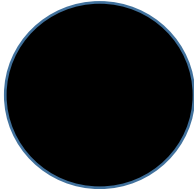
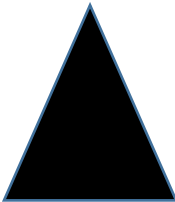
Draw a rectangle **next to** the star.



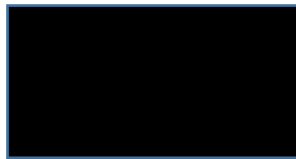
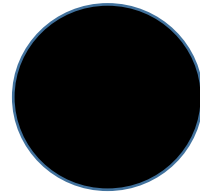
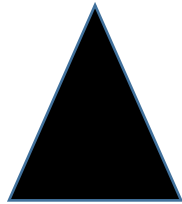
Look at the star. Circle the shape **above** the star.



Look at the star. Circle the shape **below** the star.

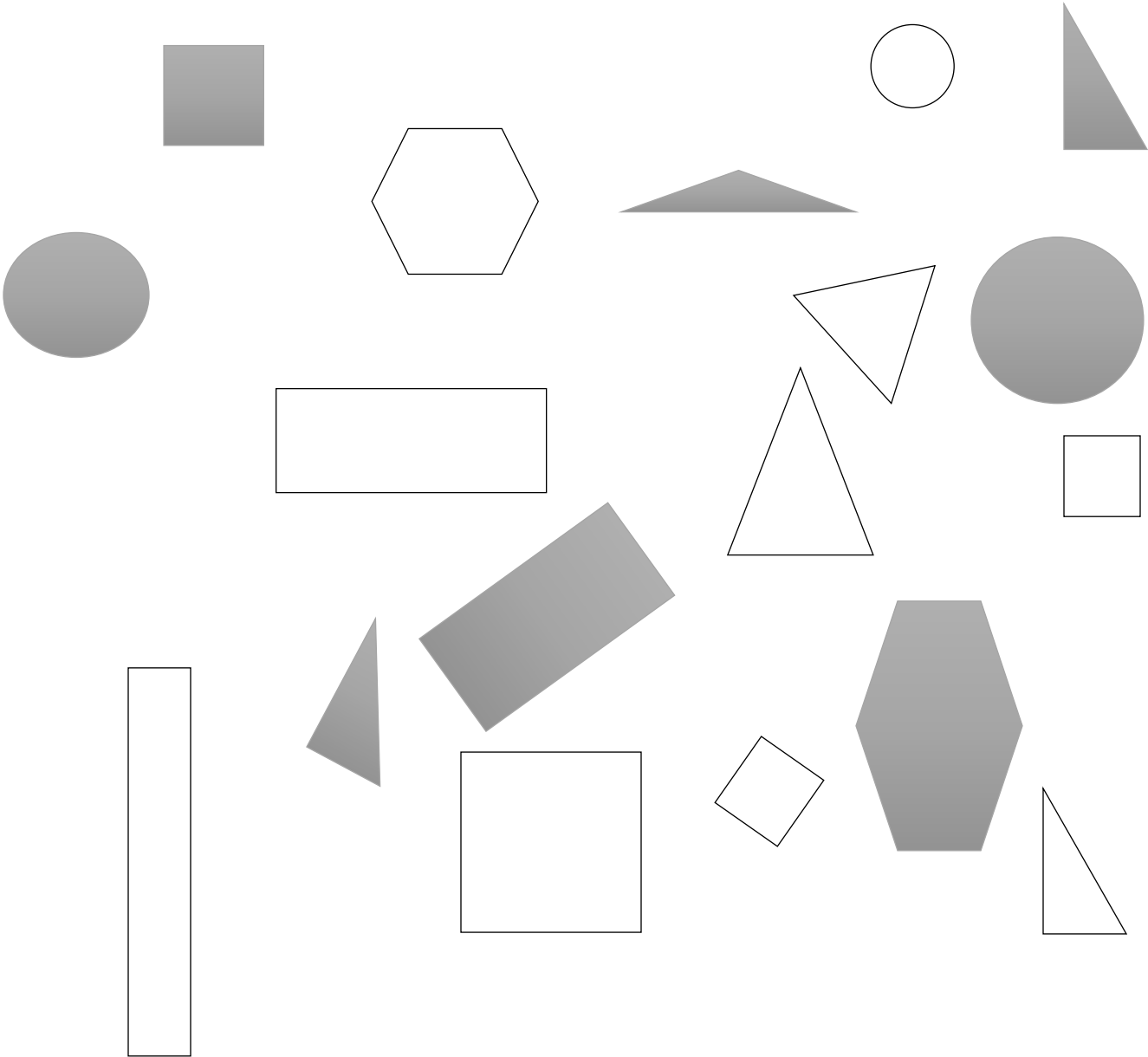


Look at the star. Circle the shape **next to** the star.

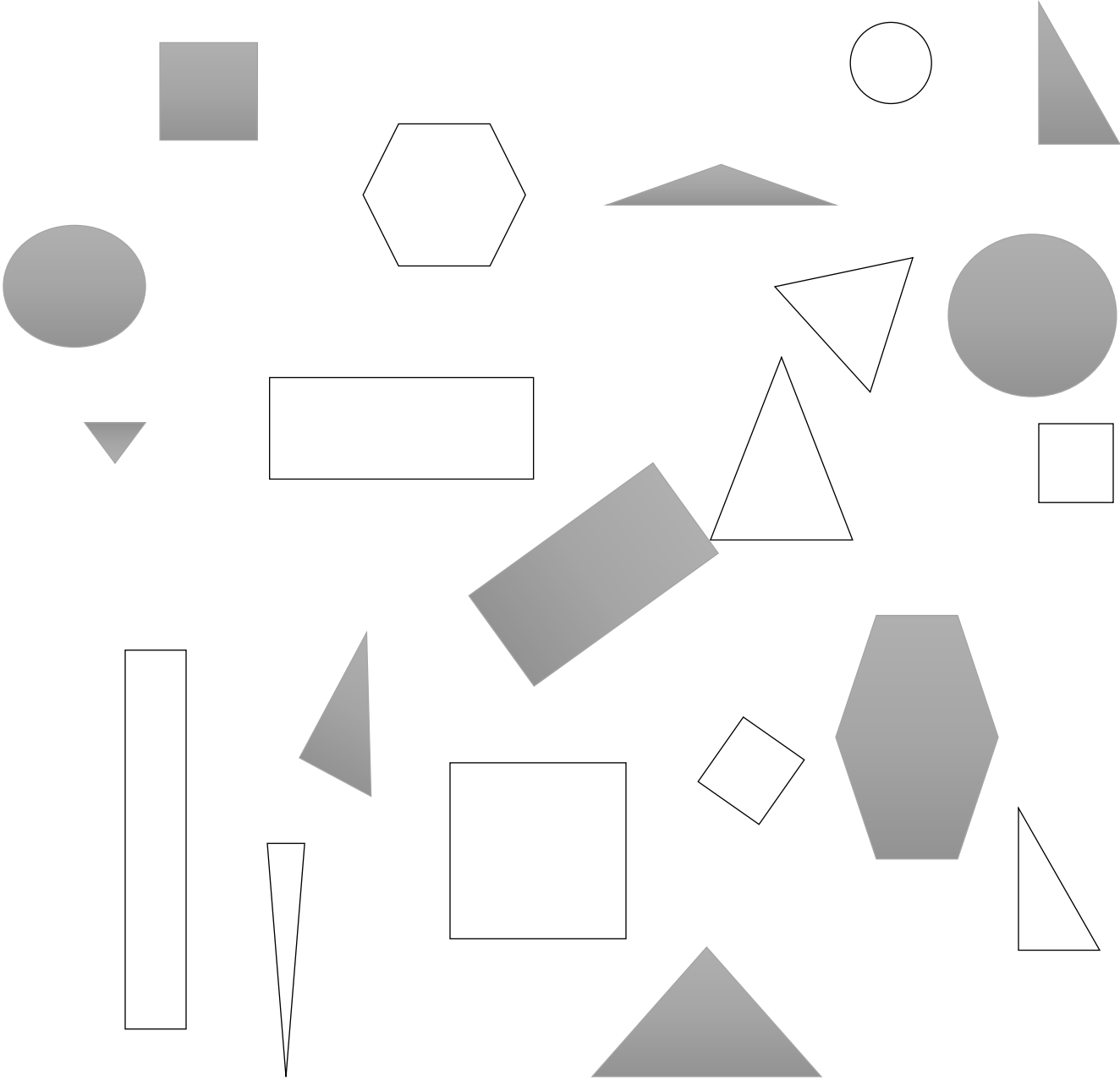


K.G.A.2 – Correctly name shapes regardless of their orientations or overall size.

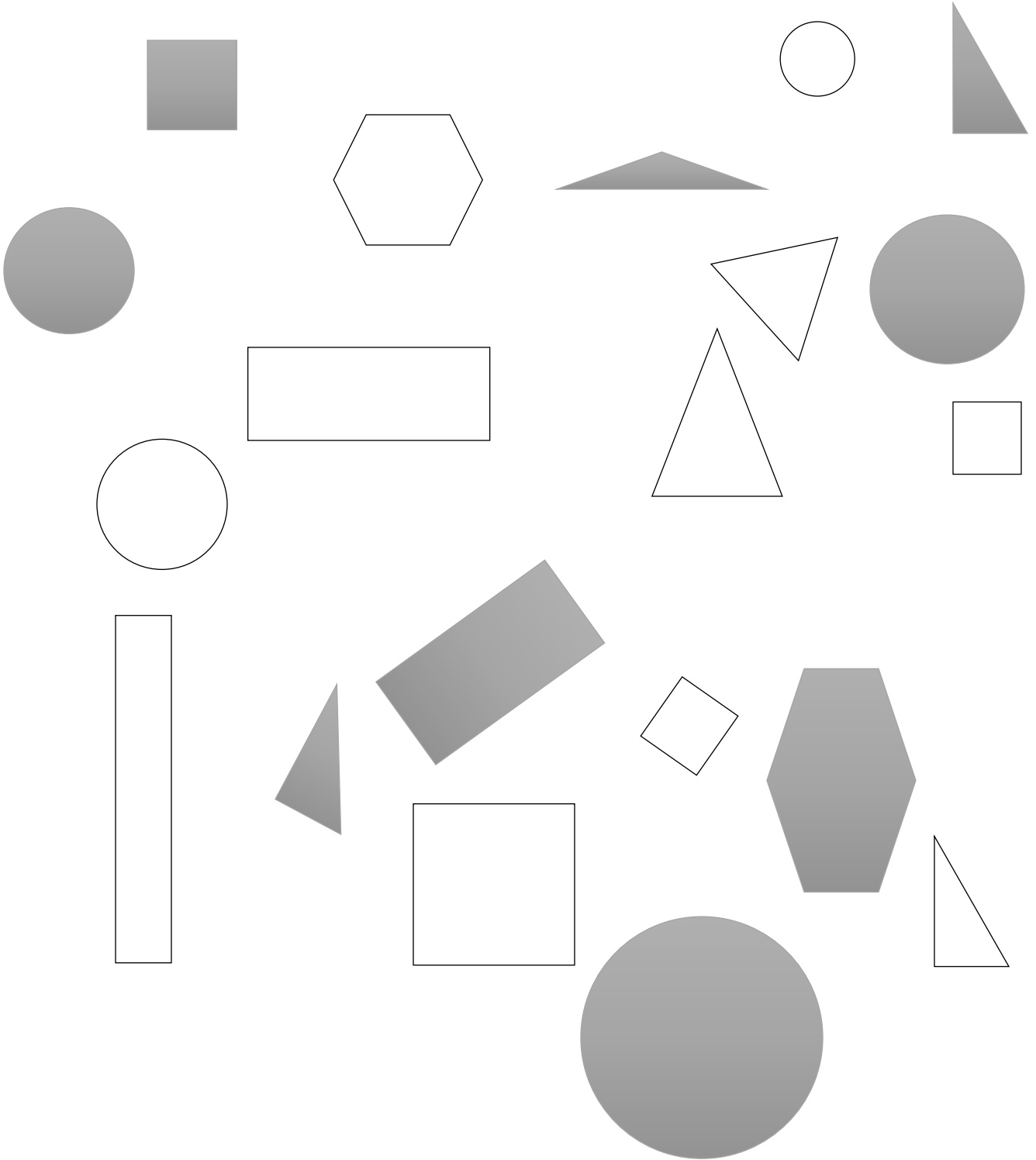
Directions: Put an X all of the squares.



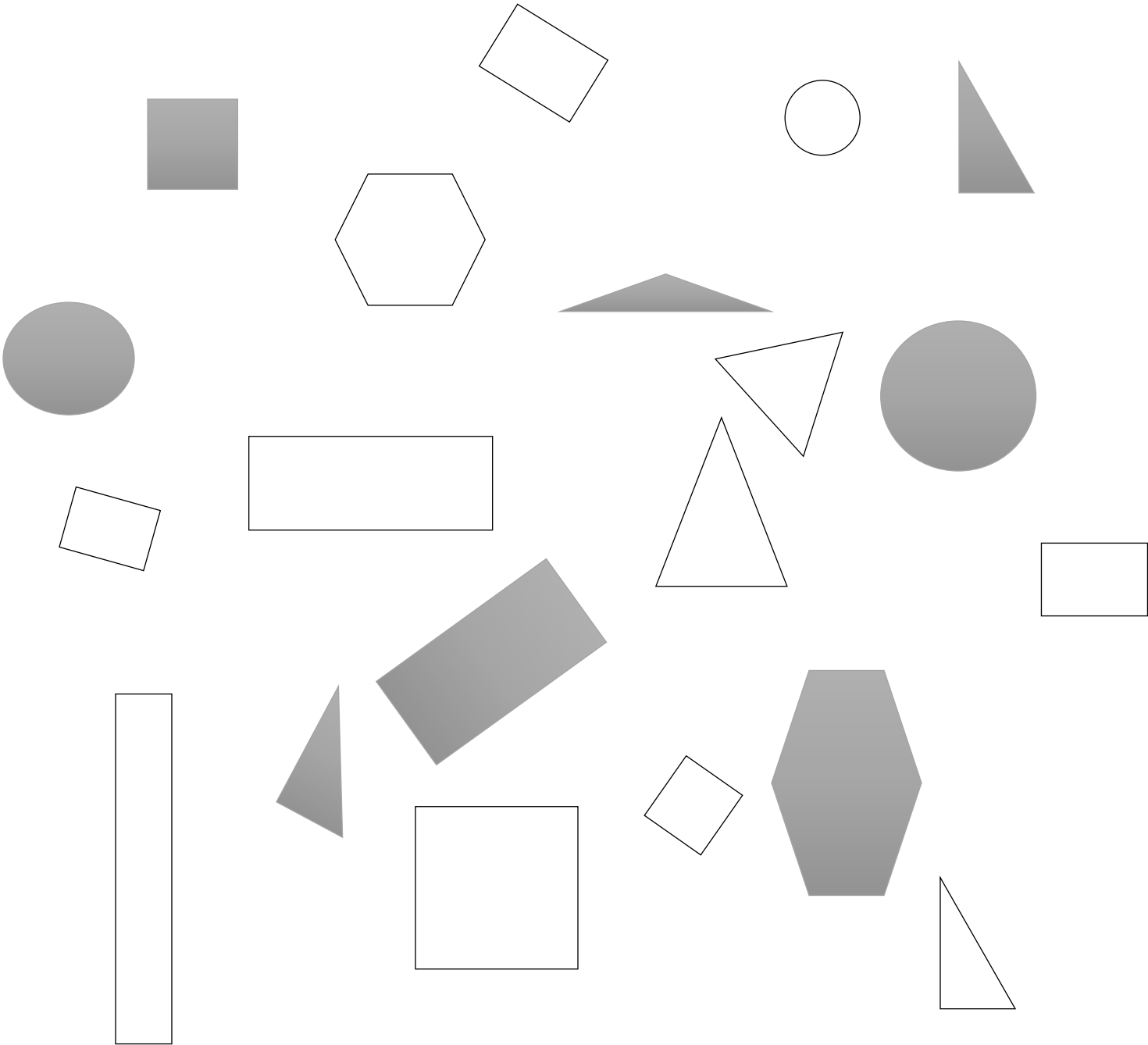
Directions: Put an X all of the triangles.



Directions: Put an X all of the circles.



Directions: Put an X all of the rectangles.



Practice Workbook C

K.CC.A.3 (to 20) - Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).

Directions: Fill in the missing number.

15	16	17	18		20
----	----	----	----	--	----

11	12		14	15	16
----	----	--	----	----	----

5	6	7		9	10
---	---	---	--	---	----

1	2				
---	---	--	--	--	--

10	11				
----	----	--	--	--	--

Directions: Fill in the missing number.

15		17	18	19	20
----	--	----	----	----	----

11		13	14	15	16
----	--	----	----	----	----

5		7	8	9	10
---	--	---	---	---	----

11	12	13			
----	----	----	--	--	--

10				14	15
----	--	--	--	----	----


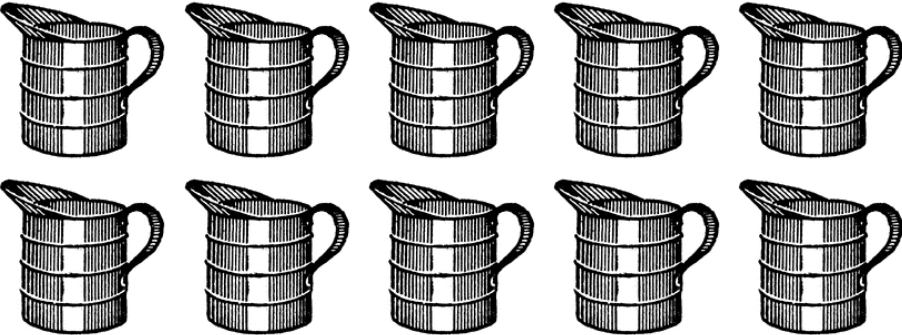
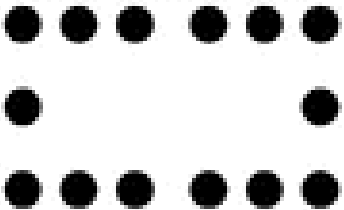
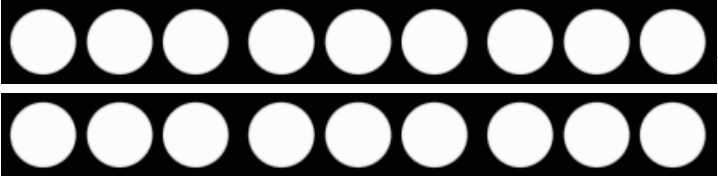
Directions: Write the numbers from 1 to 20.

Directions: Write the numbers from 1 to 20.



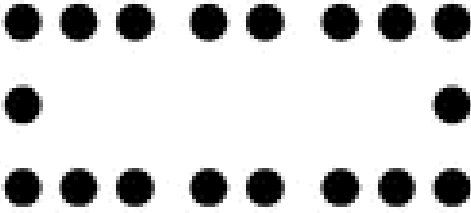
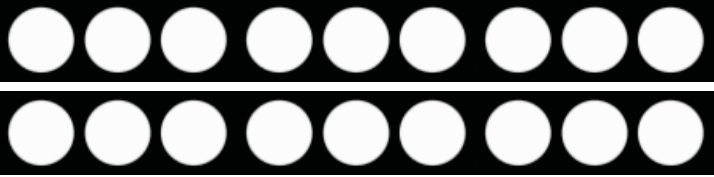
Directions: Write the numbers from 1 to 20.

K.CC.B.5 (to 20)– Count to answer “How many?” questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number 1-20, count out that many objects.


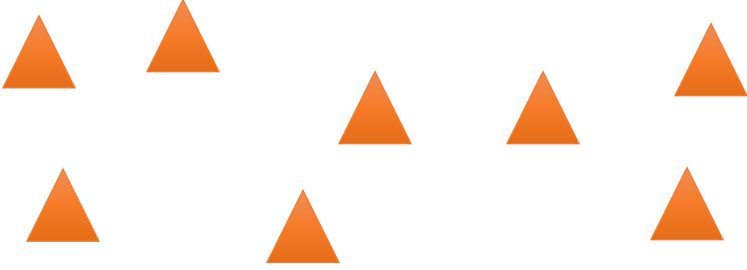
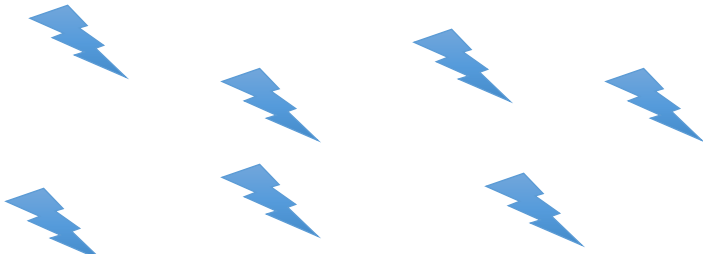

Directions: Count. Write how many.

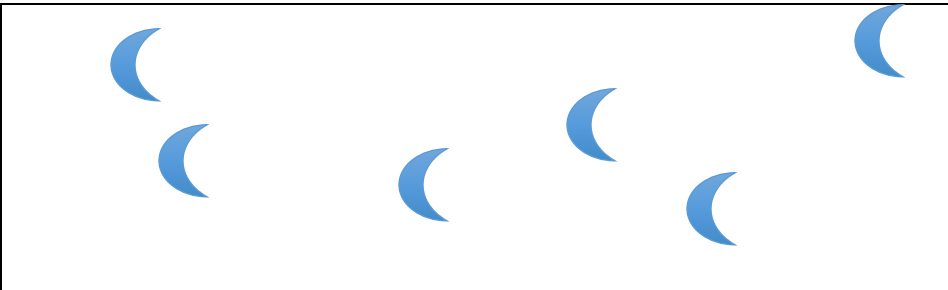
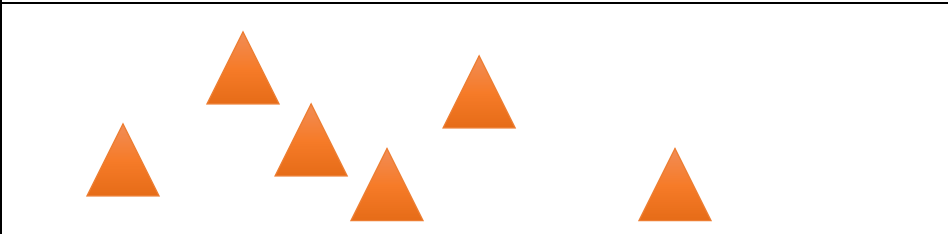
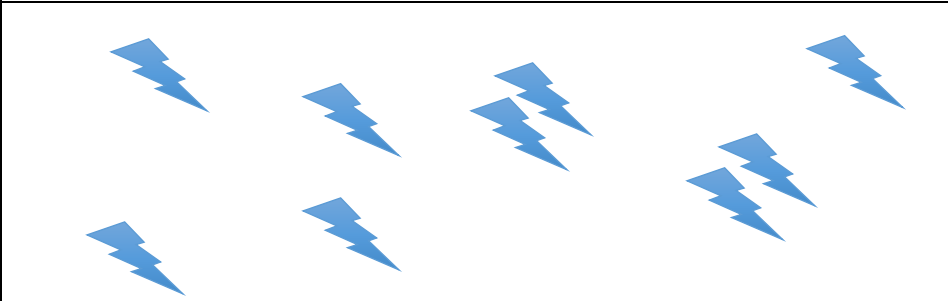
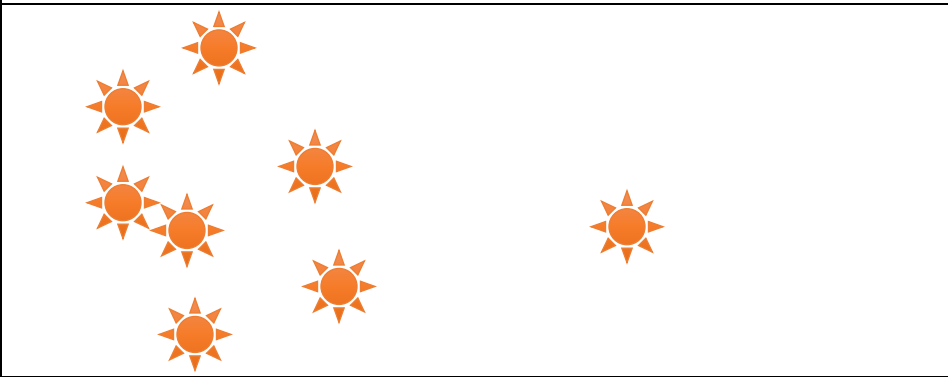
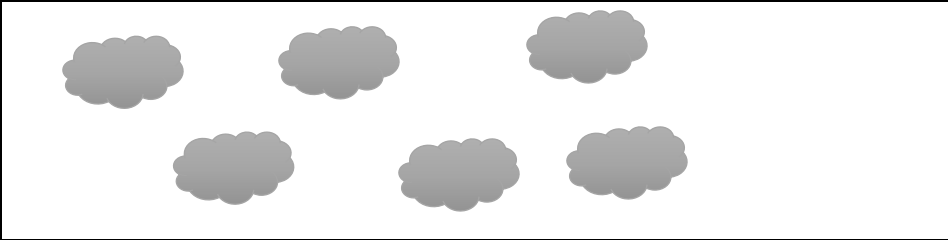
Directions: Count. Write how many.

Directions: Count. Write how many.

Directions: Count. Write how many.

Practice Workbook D

K.CC.C.7– Compare two numbers between 1 and 10 presented with written numerals.

Sandra was playing cards. She flipped a 3 and a 6. Which number is greater?

Circle the number that is greater.

3	6
---	---

Directions: Circle the number that is less than 7.

9
7
6
8

Directions: Circle **ALL** of the numbers that are greater than 6.

5	7	4	9
---	---	---	---

Michael was playing cards. He flipped an 8 and a 6.
Which number is less?

Circle the number that is less.

8	6
---	---

Directions: Circle the number that is more than 7.

9
7
6
5

Directions: Circle **ALL** of the numbers that are less than 6.

5	7	4	9
---	---	---	---

Directions: Circle the number that is greater in each set.

5 or 7
9 or 3
8 or 9
5 or 4
2 or 1

Directions: Circle the number that is less in each set.

5 or 3
9 or 7
8 or 9
5 or 2
2 or 4

Directions: Circle the number that is greater.

9 or 6
9 or 10
6 or 9
3 or 2
4 or 2

Directions: Circle the number that is less.

4 or 6
8 or 6
7 or 9
5 or 3
5 or 4

Practice Workbook E

K.OA.A.5 – Fluently add and subtract within 5.

1	$3 + 2 = \underline{\quad}$
2	$4 + 1 = \underline{\quad}$
3	$2 + 0 = \underline{\quad}$
4	$3 + 1 = \underline{\quad}$
5	$0 + 5 = \underline{\quad}$
6	$1 + 2 = \underline{\quad}$
7	$1 + 3 = \underline{\quad}$
8	$2 + 2 = \underline{\quad}$

9	$1 + 1 = \underline{\quad}$
10	$0 + 2 = \underline{\quad}$
11	$1 + 4 = \underline{\quad}$
12	$3 + 2 = \underline{\quad}$
13	$2 + 3 = \underline{\quad}$
14	$2 + 3 = \underline{\quad}$
15	$5 + 0 = \underline{\quad}$
16	$4 + 1 = \underline{\quad}$

Practice Workbook F

K.OA.A.2 – Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.

Directions: Solve. Draw a picture to show your work.

1	$5 + 2 = \underline{\quad}$	
2	$4 + 3 = \underline{\quad}$	
3	$2 + 4 = \underline{\quad}$	
4	$6 + 3 = \underline{\quad}$	
5	$7 + 3 = \underline{\quad}$	
6	$7 + 2 = \underline{\quad}$	
7	$8 + 1 = \underline{\quad}$	

8	$5 + 3 = \underline{\quad}$	
9	$3 + 3 = \underline{\quad}$	
10	$4 + 4 = \underline{\quad}$	
11	$6 + 4 = \underline{\quad}$	
12	$4 + 3 = \underline{\quad}$	
13	$4 + 2 = \underline{\quad}$	
14	$8 + 2 = \underline{\quad}$	
15	$2 + 3 = \underline{\quad}$	

Directions: Solve. Draw a picture to show your work.

16	$5 + 3 = \underline{\quad}$	
17	$4 + 2 = \underline{\quad}$	
18	$3 + 4 = \underline{\quad}$	
19	$6 + 3 = \underline{\quad}$	
20	$7 + 2 = \underline{\quad}$	
21	$5 + 2 = \underline{\quad}$	
22	$8 + 1 = \underline{\quad}$	
23	$5 + 1 = \underline{\quad}$	

24	$3 + 3 = \underline{\quad}$	
25	$4 + 5 = \underline{\quad}$	
26	$4 + 4 = \underline{\quad}$	
27	$5 + 3 = \underline{\quad}$	
28	$4 + 5 = \underline{\quad}$	
29	$7 + 2 = \underline{\quad}$	
30	$2 + 3 = \underline{\quad}$	

K.OA.A.3 – Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$).

Directions: Circle all of the ways to make 10.

$$10 = 7 - 3$$

$$10 = 2 + 8$$

$$10 = 4 + 6$$

$$1 + 0 = 10$$

Directions: Circle all of the ways to make a total of 6.

$$6 = 5 + 1$$

$$6 + 1 = 6$$

$$3 + 3 = 6$$

$$6 = 2 + 4$$

Directions: Circle all of the ways to make 8.

$$8 = 6 - 2$$

$$8 = 0 + 8$$

$$8 = 5 - 3$$

$$8 = 1 + 7$$

Directions: Draw a picture to show 2 ways the make each number.

6		
4		
7		
6		
3		
1		
8		
9		
5		

**Directions: How many ways can you make each number?
Draw a picture to show two ways to make each number.**

5		
6		
7		
8		
9		

Directions: Draw a picture to show one way to make the number. Write an addition number sentence to match your drawing.

Number	Drawing	Number Sentence
5		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
4		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
3		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
7		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
6		$\underline{\quad} + \underline{\quad} = \underline{\quad}$


K.OA.A.4– For any number 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.

Directions: Draw circles to make 10.


10 =  **+**


10 =  **+**


10 =  **+**

10 =  **+**


10 =  **+**


10 =  **+**

10 =  **+**

10 =  **+**

10 =  **+**


10 =  **+**


10 =  **+**

10 =  **+**

10 =  **+**

10 =  **+**

10 =  **+**

10 =  **+**

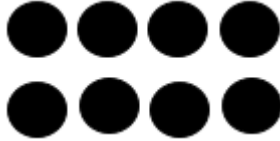
Directions: Draw circles to make 10.

10 =



+

10 =



+

10 =



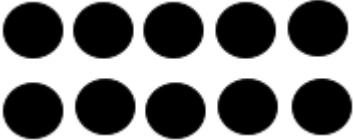
+

10 =



+

10 =



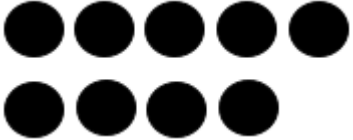
+

10 =



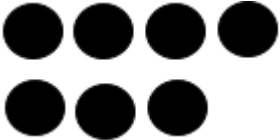
+

10 =



+

10 =



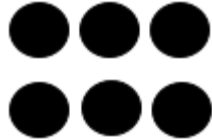
+

10 =



+

10 =



+

Directions: One addend is given. Draw a picture and write a number sentence to show how many more are needed to make 10.

How many to make 10?		
Addend	Picture	Number Sentence
2		
4		
7		
6		
3		
1		
8		
9		
5		

Directions: Write numbers to make the equations true.

$10 = 2 +$

$10 = 8 +$

$10 = 4 +$

$10 = 5 +$

$10 = 10 +$

$10 = 3 +$

$10 = 9 +$

$10 = 7 +$

$10 = 1 +$

$10 = 6 +$

$10 = 0 +$

Directions: Write numbers to make the equations true.

$$10 = 4 + \underline{\hspace{2cm}}$$

$$10 = 9 + \underline{\hspace{2cm}}$$

$$10 = 5 + \underline{\hspace{2cm}}$$

$$10 = 3 + \underline{\hspace{2cm}}$$

$$10 = 10 + \underline{\hspace{2cm}}$$

$$10 = 2 + \underline{\hspace{2cm}}$$

$$10 = 8 + \underline{\hspace{2cm}}$$

$$10 = 1 + \underline{\hspace{2cm}}$$

$$10 = 7 + \underline{\hspace{2cm}}$$

$$10 = 0 + \underline{\hspace{2cm}}$$

$$10 = 6 + \underline{\hspace{2cm}}$$

Directions: Fill in the blanks to make the equations true. You may draw a picture to help you solve.

$1 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$	$9 + \underline{\quad} = 10$
$7 + \underline{\quad} = 10$	$3 + \underline{\quad} = 10$	$4 + \underline{\quad} = 10$
$2 + \underline{\quad} = 10$	$1 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$
$8 + \underline{\quad} = 10$	$6 + \underline{\quad} = 10$	$7 + \underline{\quad} = 10$

K.CC.A.3 (to 20) - Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).

Directions: Fill in the missing number.

15		17	18		
----	--	----	----	--	--

11			14		
----	--	--	----	--	--

5		7			10
---	--	---	--	--	----

1	2				
---	---	--	--	--	--

10					
----	--	--	--	--	--

Directions: Fill in the missing number.

15			18		20
----	--	--	----	--	----

11					16
----	--	--	--	--	----

5					
---	--	--	--	--	--


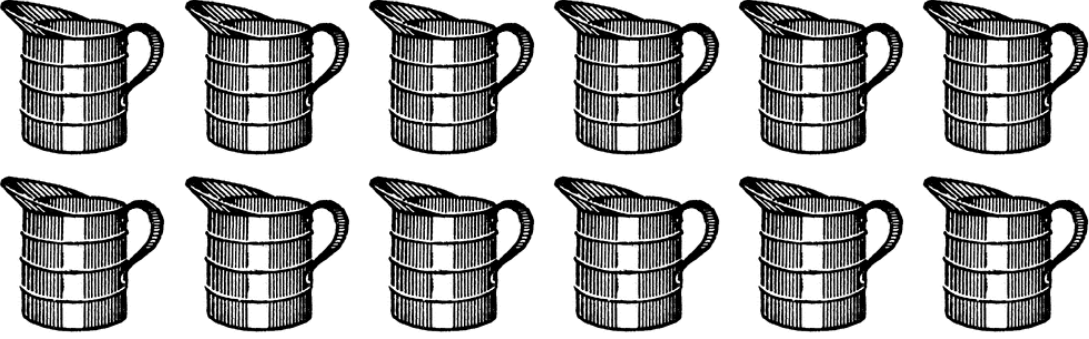
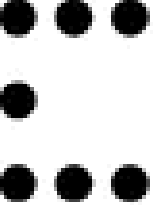
11					
----	--	--	--	--	--

13					
----	--	--	--	--	--



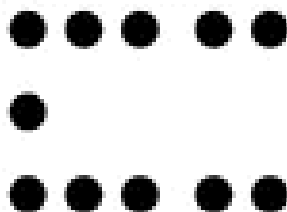
Directions: Write the numbers from 1 to 20.

K.CC.B.5— Count to answer “How many?” questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number 1-20, count out that many objects.

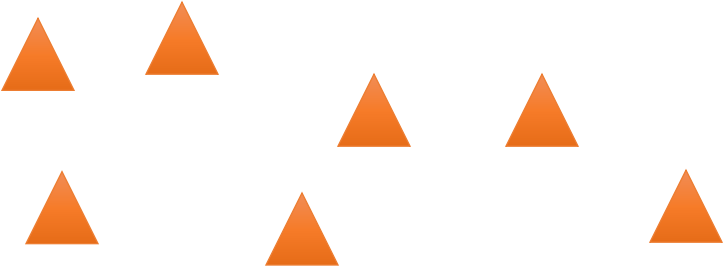
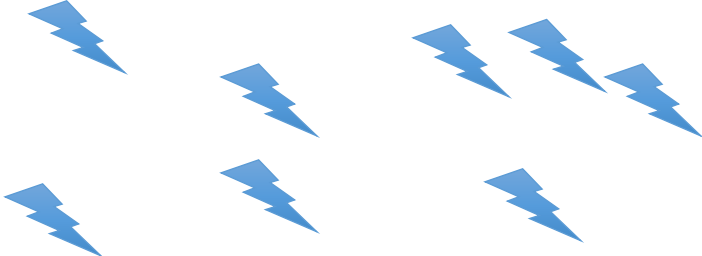
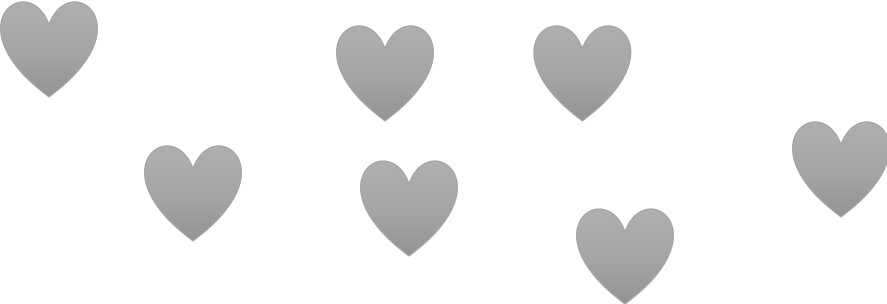
Directions: Write how many.

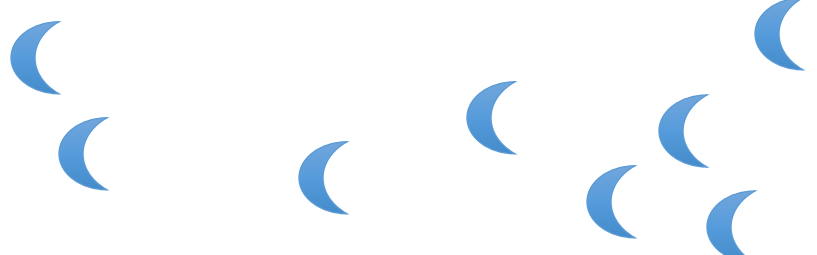
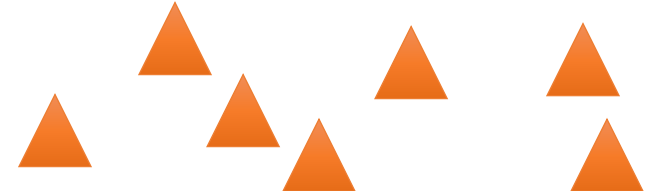
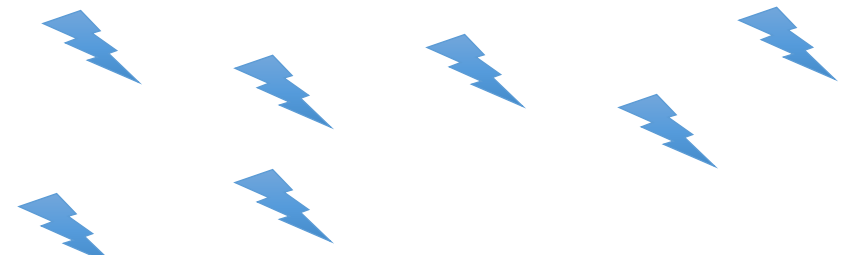
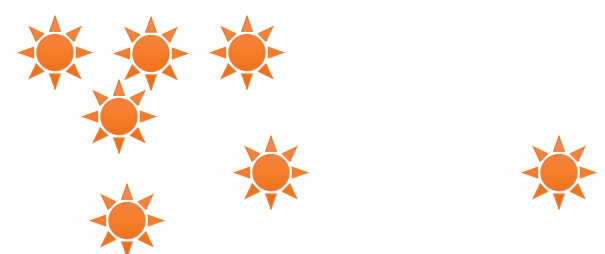

Directions: Write how many.

Directions: Write how many.



















Directions: Write how many.


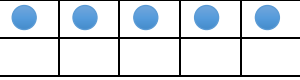

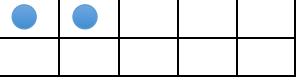

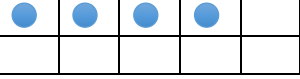



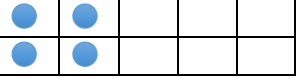




Practice Workbook G

K.NBT.A.1 –Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as $18=10+8$); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.

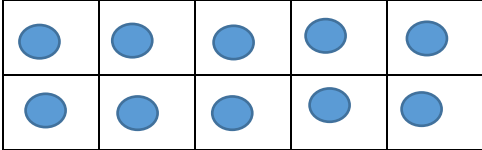
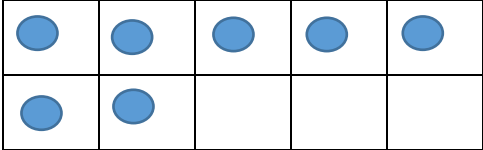
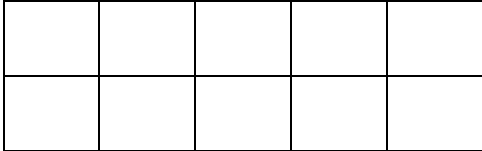
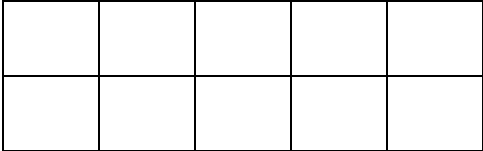

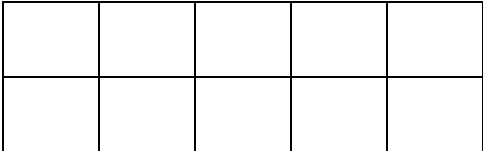
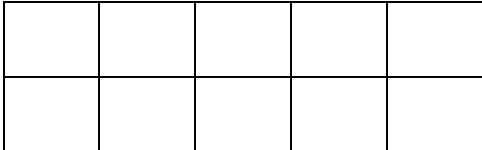
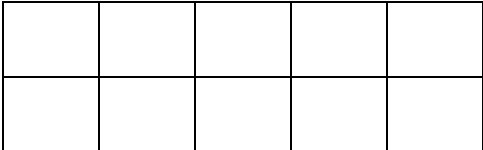
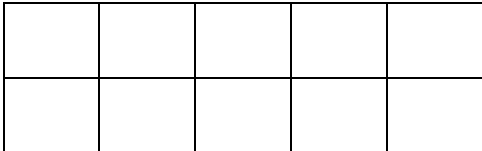
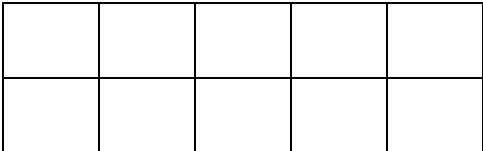
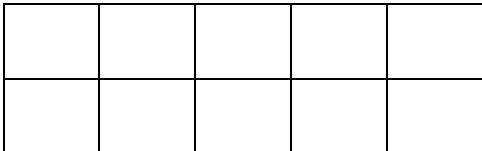
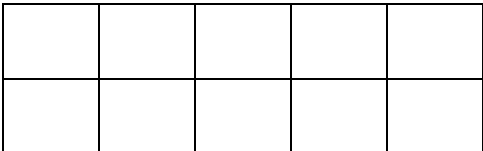
Directions: Write the teen number that is represented by the dots.

		
		12
		
		
		
		
		
		
		














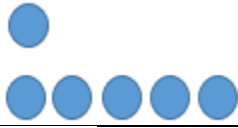




Directions: Write an equation to show each amount below.

		$\underline{\quad}10\underline{\quad} + \underline{\quad}5\underline{\quad} = \underline{\quad}15\underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$

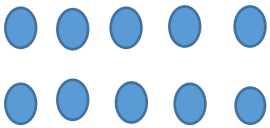

Directions: Complete the ten frames to match the equation.

$10 + 7 = 17$		
$10 + 3 = 13$		
$10 + 2 = 12$		
$10 + 6 = 16$		
$10 + 8 = 18$		
$10 + 1 = 11$		

Directions: Write an equation to show each amount below.

		_____ + _____ = _____
		10 + 2 = 12
		_____ + _____ = _____
		_____ + _____ = _____
		_____ + _____ = _____
		_____ + _____ = _____
		_____ + _____ = _____
		_____ + _____ = _____
		_____ + _____ = _____

Direction: Draw a picture to show each number as ten ones and some more ones.

		14
		12
		15
		11
		18
		13
		16
		17
		19

Directions: Draw a picture to show 18 as a ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 13 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 19 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 17 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 11 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 12 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 18 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 13 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 19 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 17 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 11 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

Directions: Draw a picture to show 12 as ten ones and some more ones. Write a number sentence to match.

Picture	Number Sentence

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