

Entering Grade 2 Summer Math

2018

In Grade 1 You Learned To:

Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20.
- Work with addition and subtraction equations.

Number and Operations in Base Ten

- Extend the counting sequence.
- Understand place value.
- Use place value understanding and properties of operations to add and subtract.

Measurement and Data



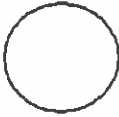
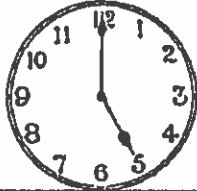


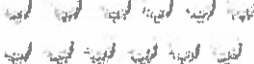

- Measure lengths indirectly and by iterating length units.
- Tell and write time.
- Represent and interpret data.

Geometry

- Reason with shapes and their attributes.




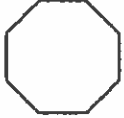


July Summer Math Calendar - Entering Grade 2

Solve one problem each day for the month of July. Show your work and your answer in the blue book provided.

<u>Date</u>	<u>Questions</u>	<u>Date</u>	<u>Questions</u>
7/1	Write the number that is 10 and 4 ones.	7/9	Write the numbers in order from greatest to least. 45 67 89 54
7/2	Annie collects marbles. She has 5 pink marbles, 4 red marbles and 6 green marbles. How many marbles does she have in all?	7/10	Circle the ones place. Underline the tens place. 23 95 78 31 57 64
7/3	 Shade $\frac{1}{4}$	7/11	Write 3 names for 40.
7/4	 Name the solid.	7/12	Subtraction 7-4=_____ 8 15 _____ = 9-3 <u>-2</u> <u>-8</u>
7/5	Name the shape. 	7/13	What time is it? 
7/6	Draw 7:00. 	7/14	Draw half past 3. 
7/7	Two people share these tennis balls equally. How many balls does each person get? 	7/15	How much money is each coin worth? 
7/8	5+5=_____ 4+2=_____ _____ = 2+9	7/16	10-2=_____ 8-4=_____ 9-_____ = 3 _____ = 3-1

Parent signature _____

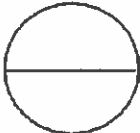
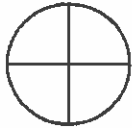

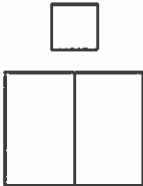
July Summer Math Calendar - Entering Grade 2

<u>Date</u>	<u>Questions</u>	<u>Date</u>	<u>Questions</u>
7/17	Add: 4+5=_____ 10+6=_____ 40+50=_____ 20+4=_____ 400+500=_____ 50+4=_____	7/25	Add 52 36 43 62 <u>+12</u> <u>+12</u> <u>+10</u> <u>+7</u>
7/18	How much money? 	7/26	Finish the pattern. 2,4,6,____,____,____
7/19	Draw half past 10. 	7/27	Draw blocks to show 53. <u>Tens</u> <u>Ones</u> 
7/20	Use >, <, and =. 45 ____ 54 5+5 ____ 6+4 13 ____ 10+20	7/28	Which line is the shortest? A. _____ B. _____ C. _____
7/21	What shape is this? 	7/29	Write 3 names for 25.
7/22	There are 14 children sitting at the table. 8 children leave. How many children are left at the table?	7/30	Write 2 related subtraction facts for 5+6=11.
7/23	Make a fact family for the numbers 4, 8, 12	7/31	Draw a square and divide it in half 3 different ways.
7/24	What number am I? 	<div style="display: flex; align-items: center;">  <div> <p>Don't forget to study your addition and subtraction facts!</p> </div> </div>	

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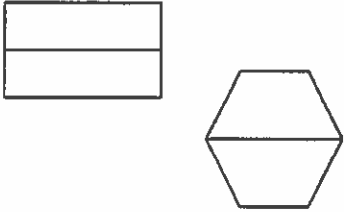



August Summer Math Calendar - Entering Grade 2

Solve one problem each day for the month of August. Show your work and your answer in the blue book provided.

Date	Questions	Date	Questions
8/1	$\begin{array}{r} 38 \quad 10 \quad 15 \quad 24 \\ -11 \quad -1 \quad -12 \quad -20 \end{array}$	8/9	Add $2+5= \square$ $20+50= \square$
8/2	Shade the fraction for shape.  $\frac{1}{2}$	8/10	$\underline{\quad} = 8 - 4$ $9 - \underline{\quad} = 3$ $13 - \underline{\quad} = 7$ $18 - 9 = \underline{\quad}$
8/3	Use $<$, $>$, $=$ $52 \square 25$	8/11	Draw a rhombus.
8/4	Write 3 even numbers. _____, _____, _____	8/12	A store has 34 basketballs. They sell 10. How many basketballs does the store have now? _____
8/5	$15 - 9 =$ $20 - 10 =$ $\underline{\quad} - 4 = 8$ $13 - \underline{\quad} = 6$	8/13	Use $<$, $>$, $=$. $76 \underline{\quad} 96$
8/6	Show the fraction $\frac{1}{2}$. 	8/14	Write the odd numbers between 10 and 20.
8/7	Continue the pattern. 5, 8, _____, 14, _____	8/15	Two people share 12 toy cars evenly. How many do they each get? 
8/8	Draw parts to show the number 15. 	8/16	Continue the pattern. 1, 3, 5, _____, _____, _____, _____

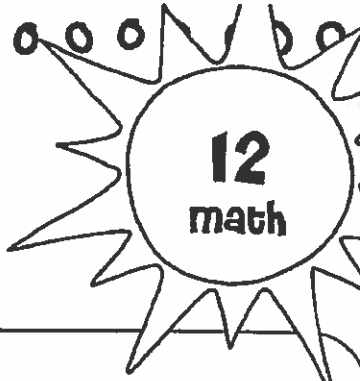
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August Summer Math Calendar - Entering Grade 2

Date	Questions	Date	Questions
8/17	Draw a triangle.	8/25	Solve: $6+2=$ _____ $8+$ _____ = 9 $3+5=$ _____ $3+$ _____ = 7
8/18	Shade $\frac{1}{2}$ of each shape 	8/26	How much money? 
8/19	Draw the hands to show 11:00. 	8/27	Add: $3+4=$ _____ $30+40=$ _____ $300+400=$ _____
8/20	Solve: $8-2=$ _____ $6-3=$ _____ $4-$ _____ = 1 _____ = $7-2$	8/28	Solve $27 + 36$ Draw tens and ones and regroup.
8/21	Add: $6+2=$ _____ $60+20=$ _____ $600+200=$ _____	8/29	Circle the larger number in each pair. 23 or 32 81 or $60 + 30$
8/22	Draw the hands: 3:30 	8/30	Name 3 objects shaped like a sphere.
8/23	Which line is the longest? A. _____ B. _____ C. _____	8/31	Write 5 names for 60.
8/24	Solve: Mary bought 13 candies. Jane bought 22. How many candies did the girls buy in all?		Best wishes for a great year in grade 2. Brush up on addition, subtraction and related facts within 20. ☺

Parent signature _____

Fast math • Addition



12
math

Solve these ADDITION problems as fast as you can.

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 9 \\ \hline \end{array}$$

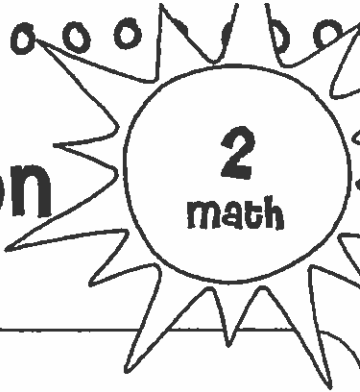
$$\begin{array}{r} 10 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 9 \\ \hline \end{array}$$

FAST math • SUBTRACTION



2
math

Solve these SUBTRACTION problems as fast as you can.

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

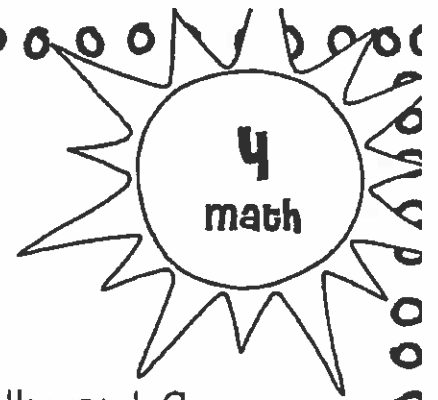
$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

Problem Solving



Lucy put 6 towers on the sandcastle. Molly put 9 towers on the sandcastle. How many more towers did Molly put than Lucy?

Number Sentence	Answer

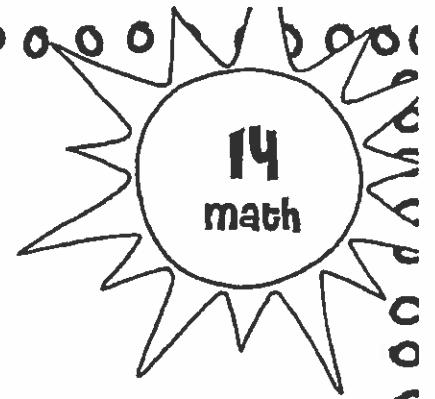
Clara has 19 water balloons. She gives 7 away to her friends. How many does she have left?

Number Sentence	Answer

Billy picked 17 strawberries. He ate 9 of the strawberries and gave the rest to his brother. How many did he give to his brother?

Number Sentence	Answer

Problem Solving



Luke threw 14 water balloons at his older brother. 7 of his water balloons missed his brother. The rest hit him. How many water balloons hit his brother?

Number Sentence	Answer

Ten kids can be in the swimming class at one time. 13 kids want to be in the swimming class. How many kids will not be able to join the swimming class?

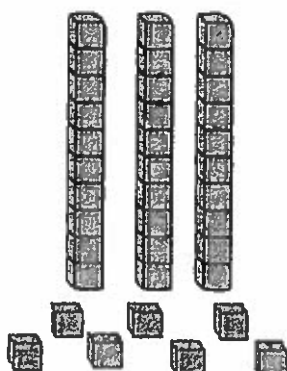
Number Sentence	Answer

The ice cube tray holds 18 ice cubes. Melissa used 9 ice cubes and left the rest in the ice cube tray. How many ice cubes did she leave in the tray?

Number Sentence	Answer

Place Value Review

27
math

I have this many blocks: 	How many tens:	How many ones:	How many blocks altogether:
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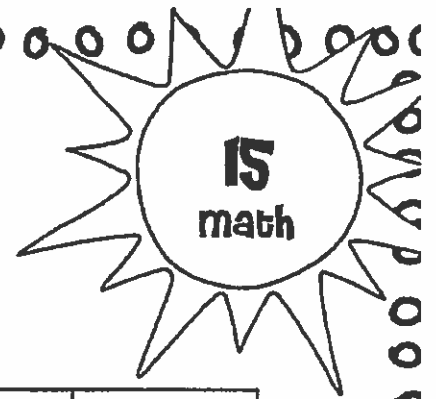
Draw this number in blocks:	How many tens: 6	How many ones: 4	How many blocks altogether:
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How many tens are in the number 53? _____

How many ones are in the number 75? _____

How many ones are in the number 80? _____

Addition



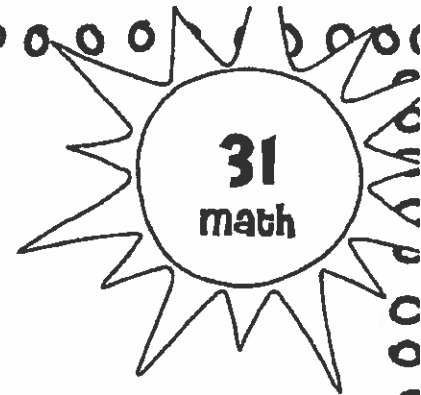
Add:	Show how to solve this using base ten block drawings:	Answer:
$\begin{array}{r} 34 \\ + 5 \\ \hline \end{array}$		

Add:	Show how to solve this using base ten block drawings:	Answer:
$\begin{array}{r} 22 \\ + 30 \\ \hline \end{array}$		

Choose one of the problems above and write a subtraction sentence that matches:

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

Place Value Review



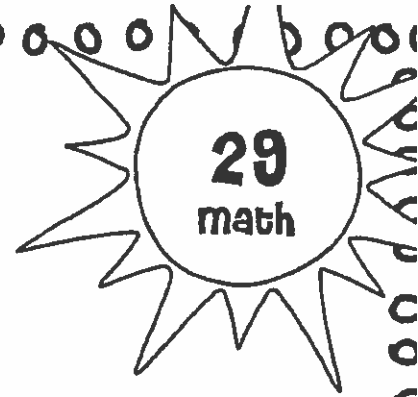
<p>Add:</p> $\begin{array}{r} 24 \\ + 9 \\ \hline \end{array}$	<p>Show how to solve this using base ten block drawings:</p>	<p>Answer:</p>
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<p>Add:</p> $\begin{array}{r} 62 \\ + 20 \\ \hline \end{array}$	<p>Show how to solve this using base ten block drawings:</p>	<p>Answer:</p>
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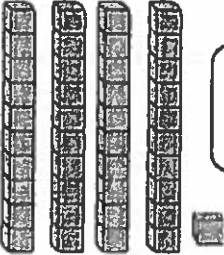
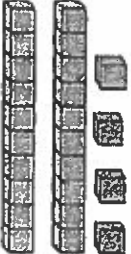
Choose one of the problems above and write a subtraction sentence that matches:

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

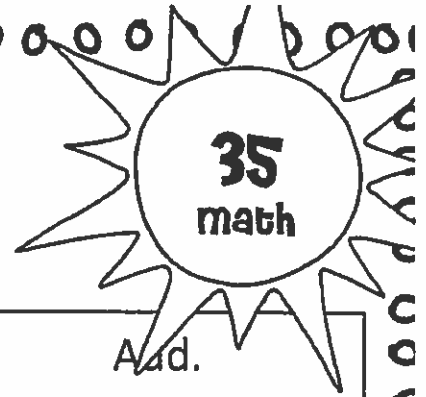
Place Value Review



Write $>$ $<$ or $=$ to compare the numbers below

63	<input type="text"/>	36	3 tens	<input type="text"/>	33
	<input type="text"/>	41	$20+4$	<input type="text"/>	42
5 tens and 2 ones	<input type="text"/>	25	89	<input type="text"/>	98
42	<input type="text"/>	2 tens	$20+3$	<input type="text"/>	

problem solving



Add.

$$\begin{array}{r} 33 \\ + 5 \\ \hline \end{array}$$

Write a matching
SUBTRACTION problem.

Add.

$$\begin{array}{r} 24 \\ + 10 \\ \hline \end{array}$$

Write a matching
SUBTRACTION problem.

Add.

$$\begin{array}{r} 17 \\ + 4 \\ \hline \end{array}$$

Write a matching
SUBTRACTION problem.

Subtract.

$$\begin{array}{r} 18 \\ - 6 \\ \hline \end{array}$$

Write a matching
ADDITION problem.

Subtract.

$$\begin{array}{r} 34 \\ - 10 \\ \hline \end{array}$$

Write a matching
ADDITION problem.

Subtract.

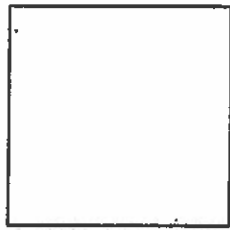
$$\begin{array}{r} 18 \\ - 8 \\ \hline \end{array}$$

Write a matching
ADDITION problem.

Partitioning shapes

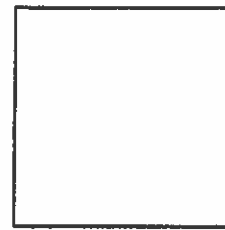
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math

Draw a line to cut the square into two equal shares.



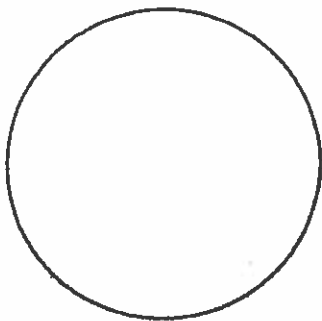
Color in half of the entire square.

Draw lines to cut the square into four equal shares.



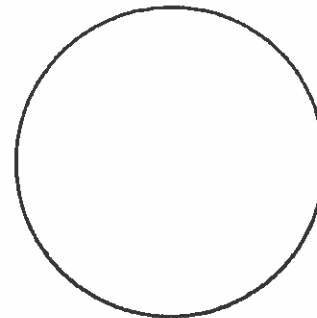
Color in one fourth of the entire square.

Draw a line to cut the circle into two equal shares.

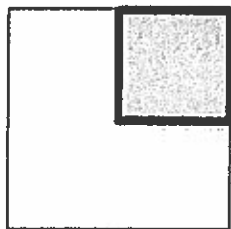


Color in two shares of the circle.

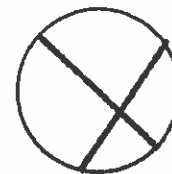
Draw lines to cut the circle into four equal shares.



Color in one quarter of the circle.



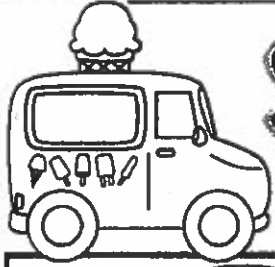
How much of the square is colored in?



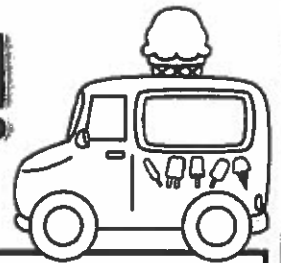
Is this circle divided into equal shares? _____

If it is, how many equal shares

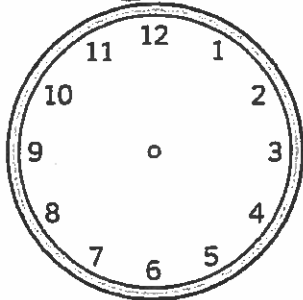
Name _____



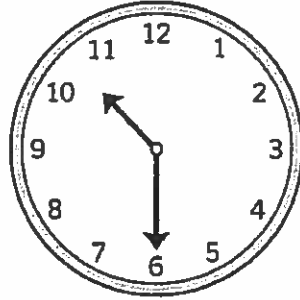
Summer TIME!



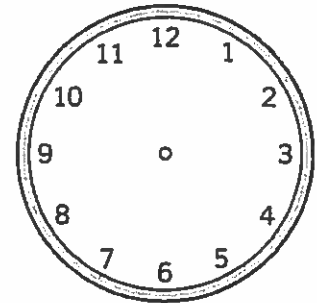
Directions: Show or write the time for each clock.



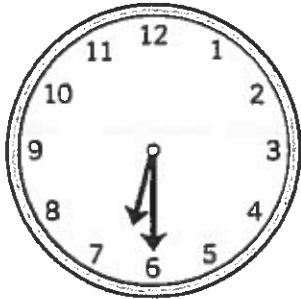
show 1:30



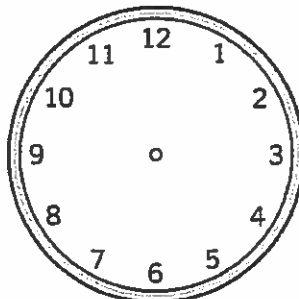
____ : ____



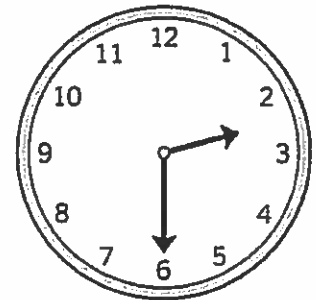
show 4:30



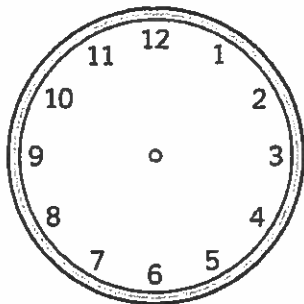
____ : ____



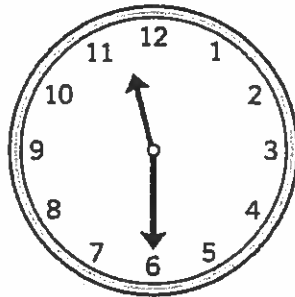
show 5:30



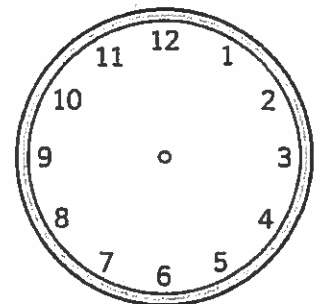
____ : ____



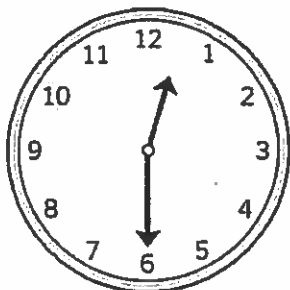
show 7:30



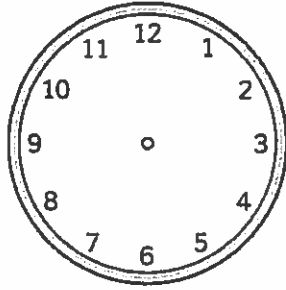
____ : ____



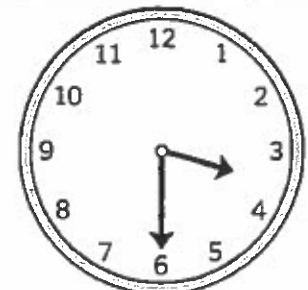
show 8:30



____ : ____



show 9:30







____ : ____



Name _____

Summer Fact Families

Directions: Write the equations for each fact family.

	$\left. \begin{array}{l} 13 \\ 7 \\ 6 \end{array} \right\}$	
_____ + _____ = _____		_____ + _____ = _____
_____ + _____ = _____		_____ + _____ = _____
_____ - _____ = _____		_____ - _____ = _____
_____ - _____ = _____		_____ - _____ = _____

	$\left. \begin{array}{l} 17 \\ 9 \\ 8 \end{array} \right\}$	
_____ + _____ = _____		_____ + _____ = _____
_____ + _____ = _____		_____ + _____ = _____
_____ - _____ = _____		_____ - _____ = _____
_____ - _____ = _____		_____ - _____ = _____

	$\left. \begin{array}{l} 6 \\ 12 \\ 18 \end{array} \right\}$	
_____ + _____ = _____		_____ + _____ = _____
_____ + _____ = _____		_____ + _____ = _____
_____ - _____ = _____		_____ - _____ = _____
_____ - _____ = _____		_____ - _____ = _____

Name: _____

Summer Shopping



Directions: Look at the price on each item. Color the coins needed to buy the item.
There may be more than one combination.

 42¢         

 27¢        

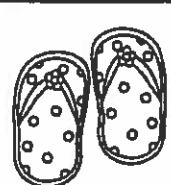







 41¢        

 27¢        

 17¢        

 31¢        

 21¢        

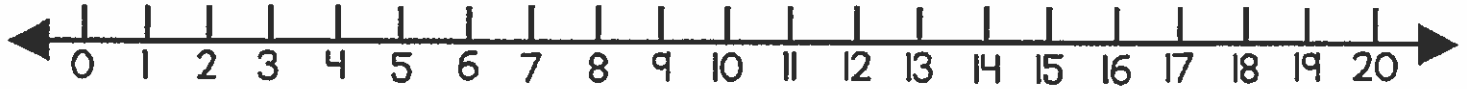
 51¢        

Name _____

Directions: Roll a die and solve a problem in the column. Use the number line to help if you need it!

Roll and Solve

Math Facts



$17+3=$	$11-7=$	$10+4=$	$18-9=$	$5+8=$	$10-2=$
$16+2=$	$10-6=$	$8+3=$	$11-9=$	$4+7=$	$9-3=$
$18+1=$	$9-4=$	$16+4=$	$13-10=$	$9+6=$	$8-0=$
$14+5=$	$14-9=$	$6+9=$	$20-6=$	$8+8=$	$9-6=$
$15+3=$	$13-8=$	$6+7=$	$12-4=$	$10+10=$	$18-5=$
$15+2=$	$10-6=$	$5+9=$	$14-7=$	$7+9=$	$11-2=$
$20+0=$	$12-5=$	$7+7=$	$18-10=$	$5+10=$	$12-4=$
