

Christina School District 70 Days of Summer: Math, Science and Technology Activities for Students Entering 3<sup>rd</sup> Grade

<p><b>1. MATH:</b> Draw a line that is 10 cm long and another that is 3 cm shorter. What is the difference between the two lines? Draw 2 more lines, measure, and find their difference.</p>	<p><b>2. SCIENCE:</b> <a href="http://kids.nationalgeographic.com/">http://kids.nationalgeographic.com/</a> Learn 5 facts about animals you did</p>	<p><b>3. MATH:</b> Write a word problem for the following: <math>42 + 5</math> and solve using pictures, numbers or words.</p>	<p><b>4. MATH:</b> How many quarters make \$5.00? How many dimes? Nickels? Do you notice any patterns?</p>	<p><b>5. MATH:</b> You have 4 lollipops. 1 is grape flavored. What fraction is grape flavored? Draw a picture to illustrate.</p>	<p><b>6. MATH:</b> Jenn is 53 inches tall. Deb is 48 inches tall. Who is taller? How tall is each girl in feet? Explore the wonders... and share 3 things you learned with an adult.</p>	<p><b>7. TECHNOLOGY:</b> <a href="http://wonderopolis.org/wonders/">http://wonderopolis.org/wonders/</a></p>
<p><b>8. SCIENCE:</b> Take a walk outside. Record on paper how many insects, birds, and mammals you see. Create a graph or line plot to represent your data.</p>	<p><b>9. MATH:</b> Skip count by 3 to 99. Write the numbers on a paper. What patterns do you see?</p>	<p><b>10. MATH:</b> Draw a picture to show fractions; <math>1/4</math>, <math>1/2</math> &amp; <math>2/3</math>. Write a sentence to describe each picture.</p>	<p><b>11. MATH:</b> Find 5 places where you see fractions being used. Write a paragraph telling about these 5 ways fractions are used in your daily life.</p>	<p><b>12. TECHNOLOGY:</b> <a href="http://www.bedtimemath.org">www.bedtimemath.org</a> Read a math story. See how many problems you can solve.</p>	<p><b>13. MATH:</b> Measure and record your height in inches and centimeters. How many feet are you? How many meters?</p>	<p><b>14. MATH:</b> Solve: 467+390 769+209 3,234+853 5,099+ 2,399 3,799+590</p>
<p><b>15. TECHNOLOGY:</b> <a href="http://www.mathdice.com">www.mathdice.com</a> Computation Practice</p>	<p><b>16. MATH:</b> Write a number story to go with <math>17 - 9 = 8</math>. Solve using pictures, numbers or words.</p>	<p><b>17. MATH:</b> Record the temperature outside in the early morning. Do it again in the late afternoon. How many degrees did it change?</p>	<p><b>18. SCIENCE:</b> <a href="http://www.education.com/activity/article/cloud-in-a-jar/">http://www.education.com/activity/article/cloud-in-a-jar/</a> Create a Cloud in a Jar.</p>	<p><b>19. MATH:</b> Flip a coin 50 times. Make a chart for the heads and tails. How many heads and tails did you get? Graph your results.</p>	<p><b>20. MATH:</b> Predict how many paper clips would fit across your kitchen table. Try it. How far apart was your estimate from the actual amount?</p>	<p><b>21. MATH:</b> Write a paragraph explaining how to tell time on a clock. Include what the three hands mean.</p>
<p><b>22. MATH:</b> Have someone time you jumping on one foot for a minute. Count the number of times you jump. Double the number.</p>	<p><b>23. TECHNOLOGY:</b> <a href="http://kids.nationalgeographic.com/">http://kids.nationalgeographic.com/</a> Learn 5 facts about animals you did not know already.</p>	<p><b>24. MATH:</b> Would a dog be 2 feet tall or 20 feet tall? Explain how you know in a paragraph.</p>	<p><b>25. MATH:</b> Which is greater: <math>32 - 8</math> or <math>27 + 3</math>? How do you know? Show 3 different ways these problems can be solved.</p>	<p><b>26. MATH:</b> You have: 3 dollar bills, 2 quarters, 3 dimes, 4 pennies. What is the total value? Is it more or less than \$4.04?</p>	<p><b>27. MATH:</b> If you start watching television at 8 AM and watch for <math>1\frac{1}{2}</math> hours, what time will it be when you're done?</p>	<p><b>28. SCIENCE:</b> <a href="http://www.education.com/activity/article/po-p-bottle-derby/">http://www.education.com/activity/article/po-p-bottle-derby/</a> Build a Bottle Race Car.</p>
<p><b>29. MATH:</b> Solve: 568-24 349-251 358-102 402-38 599-401</p>	<p><b>30. MATH:</b> Write down the birth years of the people who live with you. Put them in order from least to greatest. What is the greatest difference?</p>	<p><b>31. SCIENCE:</b> <a href="http://www.education.com/activity/article/Build_Balloon_Powered_Car/">http://www.education.com/activity/article/Build_Balloon_Powered_Car/</a> Build a Balloon Powered Car</p>	<p><b>32. MATH:</b> Make a rectangular array for <math>8 \times 5</math> using a drawing, buttons, beans, etc. Glue to a sheet of paper. How many in all?</p>	<p><b>33. TECHNOLOGY:</b> <a href="http://www.bedtimemath.org">www.bedtimemath.org</a> Read a math story. See how many problems you can solve.</p>	<p><b>34. MATH:</b> You have 8 cookies. 3 are chocolate flavored. What fraction is chocolate flavored? Draw a picture to illustrate.</p>	<p><b>35. MATH:</b> Write a 4 digit number. Circle the number in the thousands place. Put a square around the number in the tens place.</p>

<p><b>36. MATH:</b> Find at least 10 ways to make 100. Record each way.</p>	<p><b>43. SCIENCE:</b> <a href="http://interactivesite.s.weebly.com/">http://interactivesite.s.weebly.com/</a> Explore a topic you have always wanted to learn about!</p>	<p><b>50. MATH:</b> Roll two dice together and add to find the sum. Record the sum. Do this 25 times. Create a bar graph with the results. What did you notice?</p>	<p><b>57. TECHNOLOGY:</b> <a href="http://www.mathdice.com">www.mathdice.com</a> Computation Practice</p>	<p><b>64. MATH:</b> Luta's mother drove 4 hours to visit a friend. She drove 40 miles each hour. How many miles did Luta's mother travel to her friend's</p>	<p><b>42. MATH:</b> How many centimeters are in 2 meters? In 20 meters? In 50 meters?</p>	<p><b>41. MATH:</b> Think of 5 numbers between 1,230 and 1,250. Write them in order from the smallest to the greatest.</p>	<p><b>49. MATH:</b> Set the table for dinner. How many utensils will you need for 6 plates? 8 plates? How many utensils you would need for 12 plates?</p>	<p><b>56. MATH:</b> Dan went to the zoo with his Mom, his 11 year old brother and his 7 year old sister. It costs \$7.00 for adults and \$3.00 for kids. How much did it cost to get into the zoo?</p>	<p><b>63. SCIENCE:</b> <a href="http://interactivesite.s.weebly.com/">http://interactivesite.s.weebly.com/</a> Explore a topic you have always wanted to learn about!</p>	<p><b>70. MATH:</b> Use the digits 2, 4, 6, 8. What is the smallest number you can create? The largest?</p>
<p><b>38. MATH:</b> Solve: 590+209 497+394 2,778+3,900 402+209 679+409</p>	<p><b>45. SCIENCE:</b> <a href="http://www.education.com/activity/article/measure-moon/">http://www.education.com/activity/article/measure-moon/</a> Measure the Moon.</p>	<p><b>52. SCIENCE:</b> People take approximately 12 breaths a minute when relaxed. How many breaths do people take in 2 minutes? 3 minutes? 4 minutes?</p>	<p><b>59. MATH:</b> Sara has 62 crackers. Mary has 27 crackers. How many fewer crackers does Mary have than Sara? Use pictures, words or numbers to solve.</p>	<p><b>66. TECHNOLOGY:</b> <a href="http://www.bedtimemath.org">www.bedtimemath.org</a> Read a math story. See how many problems you can solve.</p>	<p><b>40. MATH:</b> How many 2 digit numbers can you think of whose digits add together to total 11. (ex. 92; 9+2 = 11)</p>	<p><b>39. TECHNOLOGY:</b> Word problem practice: <a href="http://www.mathplayground.com">www.mathplayground.com</a> Click on Thinking Blocks.</p>	<p><b>47. TECHNOLOGY:</b> <a href="http://www.mathdice.com">www.mathdice.com</a> Computation Practice</p>	<p><b>54. MATH:</b> Can you grow and shrink in one day? Outside make an X with chalk for your feet to stand on. Trace your shadow at 8 am, noon, and 8 pm. What do you notice?</p>	<p><b>61. MATH:</b> There were some gumballs in a machine. Someone bought 43 of them. Now there are 18 left. How many gumballs were in the machine to start with?</p>	<p><b>68. SCIENCE:</b> <a href="http://www.education.com/activity/article/BuildTerrarium/">http://www.education.com/activity/article/BuildTerrarium/</a> Build a terrarium out of a soda bottle.</p>
<p><b>37. TECHNOLOGY:</b> <a href="http://www.abcv.com">www.abcv.com</a> Play three math games.</p>	<p><b>44. MATH:</b> Create a poem about math using as many math vocabulary words as you can.</p>	<p><b>51. MATH:</b> I am thinking of an odd number. It is greater than 33 and less than 40. You say it when you skip count by 5s. What number am I?</p>	<p><b>58. MATH:</b> The slowest snails in the world move at a speed of about 22 inches an hour. How many inches do these snails move in half an hour?</p>	<p><b>65. MATH:</b> Write as many combinations as you can that equal \$1.00 using nickels, dimes and quarters.</p>	<p><b>46. MATH:</b> Create a Fact Family for your favorite addition fact. Write the fact family down and create a word problem to go with each fact.</p>	<p><b>55. TECHNOLOGY:</b> Word problem practice: <a href="http://www.mathplayground.com">www.mathplayground.com</a> Click on Thinking Blocks.</p>	<p><b>48. MATH:</b> Solve: 160-39 695-483 648-201 5,546-4,001 300-101</p>	<p><b>53. MATH:</b> A third grader needs about 10 hours of sleep a night. If Kelly has been sleeping for 7 ½ hours, how many more hours of sleep does she need?</p>	<p><b>62. MATH:</b> You have 22 baseball cards. I give you some more baseball cards. Now you have 33 baseball cards. How many baseball cards did I give you?</p>	<p><b>69. MATH:</b> Roll 2 dice together and add to find the difference. Record the difference. Do this 25 times. Create a bar graph with the results. What did you</p>

Find the solution.

1.  $1 + 8 + 6 =$  \_\_\_\_\_ 2.  $2 + 1 + 5 + 3 =$  \_\_\_\_\_ 3.  $8 + 5 + 9 + 4 =$  \_\_\_\_\_ 4.  $2 + 3 + 4 + 8 =$  \_\_\_\_\_

What number should be added to the first number to make the second number?

5.  $\begin{array}{r} 10 \\ + \\ \hline 33 \end{array}$  6.  $\begin{array}{r} 21 \\ + \\ \hline 32 \end{array}$  7.  $\begin{array}{r} 14 \\ + \\ \hline 24 \end{array}$  8.  $\begin{array}{r} 19 \\ + \\ \hline 35 \end{array}$  9.  $\begin{array}{r} 21 \\ + \\ \hline 38 \end{array}$  10.  $\begin{array}{r} 5 \\ + \\ \hline 20 \end{array}$  11.  $\begin{array}{r} 16 \\ + \\ \hline 25 \end{array}$  12.  $\begin{array}{r} 1 \\ + \\ \hline 15 \end{array}$

Find the sum.

13.  $\begin{array}{r} 21 \\ + 55 \\ \hline \end{array}$  14.  $\begin{array}{r} 60 \\ + 12 \\ \hline \end{array}$  15.  $\begin{array}{r} 58 \\ + 39 \\ \hline \end{array}$  16.  $\begin{array}{r} 35 \\ + 23 \\ \hline \end{array}$  17.  $\begin{array}{r} 35 \\ + 44 \\ \hline \end{array}$  18.  $\begin{array}{r} 14 \\ + 44 \\ \hline \end{array}$  19.  $\begin{array}{r} 23 \\ + 70 \\ \hline \end{array}$  20.  $\begin{array}{r} 71 \\ + 68 \\ \hline \end{array}$

Find the difference.

21.  $\begin{array}{r} 98 \\ - 36 \\ \hline \end{array}$  22.  $\begin{array}{r} 97 \\ - 15 \\ \hline \end{array}$  23.  $\begin{array}{r} 95 \\ - 67 \\ \hline \end{array}$  24.  $\begin{array}{r} 79 \\ - 12 \\ \hline \end{array}$  25.  $\begin{array}{r} 81 \\ - 76 \\ \hline \end{array}$  26.  $\begin{array}{r} 37 \\ - 33 \\ \hline \end{array}$  27.  $\begin{array}{r} 72 \\ - 34 \\ \hline \end{array}$  28.  $\begin{array}{r} 90 \\ - 83 \\ \hline \end{array}$  29.  $\begin{array}{r} 33 \\ - 25 \\ \hline \end{array}$

Find the sum.


30.  $\begin{array}{r} 37 \\ 17 \\ + 21 \\ \hline \end{array}$  31.  $\begin{array}{r} 36 \\ 15 \\ + 18 \\ \hline \end{array}$  32.  $\begin{array}{r} 12 \\ 27 \\ + 15 \\ \hline \end{array}$  33.  $\begin{array}{r} 34 \\ 30 \\ + 37 \\ \hline \end{array}$  34.  $\begin{array}{r} 11 \\ 18 \\ + 12 \\ \hline \end{array}$  35.  $\begin{array}{r} 12 \\ 14 \\ + 40 \\ \hline \end{array}$  36.  $\begin{array}{r} 21 \\ 24 \\ + 31 \\ \hline \end{array}$  37.  $\begin{array}{r} 17 \\ 28 \\ + 19 \\ \hline \end{array}$  38.  $\begin{array}{r} 15 \\ 16 \\ + 26 \\ \hline \end{array}$

Solve.

39. \_\_\_\_\_ 15 pears were in the basket. More pears were added to the basket. Now there are 27 pears. How many pears were added to the basket?
40. \_\_\_\_\_ Some oranges were in the basket. 43 more oranges were added to the basket. Now there are 54 oranges. How many oranges were in the basket before more oranges were added?
41. \_\_\_\_\_ Some peaches were in the basket. 49 more peaches were added to the basket. Now there are 57 peaches. How many peaches were in the basket before more peaches were added?
42. \_\_\_\_\_ Michele has 36 balls and Janet has nine balls. How many balls do Michele and Janet have together?

Add the coins.

43.  = \_\_\_\_\_  
 \_\_\_\_\_

44.  = \_\_\_\_\_  
 \_\_\_\_\_

Solve.

hot dog = \$1.00	cola = \$1.00
order of French-fries = \$1.25	ice cream cone = \$1.50
hamburger = \$2.00	milk shake = \$2.50
deluxe cheeseburger = \$3.50	taco = \$2.50

45. \_\_\_\_\_ Jake wants to buy three tacos, five colas, and three deluxe cheeseburgers. How much will he have to pay?
46. \_\_\_\_\_ What is the total cost of four milk shakes, five orders of French-fries, and four hamburgers?
47. \_\_\_\_\_ What is the total cost of three hamburgers?
48. \_\_\_\_\_ If Ellen wanted to buy five colas, how much would she have to pay?
49. \_\_\_\_\_ If Janet wanted to buy five deluxe cheeseburgers and two hot dogs, how much would she have to pay?
50. \_\_\_\_\_ If Allan buys an ice cream cone and two tacos, what will his change be if he pays \$20.00?
51. \_\_\_\_\_ What is the total cost of four ice cream cones and five tacos?

Solve.

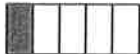
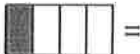



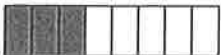






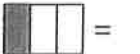

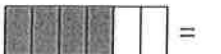

52.

25	+	4	+	5	=	
+		+		+		+
36	+	17	+	20	=	
+		+		+		+
32	+	11	+	23	=	
=		=		=		=
	+		+		=	

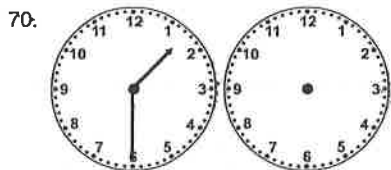
53.

10	+	20	+	50	=	
+		+		+		+
18	+	15	+	48	=	
+		+		+		+
14	+	24	+	8	=	
=		=		=		=
	+		+		=	

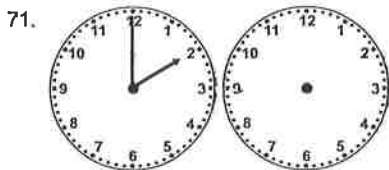
Identify the fraction.

- |   |   |  |   |
|---|---|--|---|
| 54.  = _____ | 55.  = _____ | 56.  = _____ | 57.  = _____ |
| 58.  = _____ | 59.  = _____ | 60.  = _____ | 61.  = _____ |
| 62.  = _____ | 63.  = _____ | 64.  = _____ | 65.  = _____ |
| 66.  = _____ | 67.  = _____ | 68.  = _____ | 69.  = _____ |

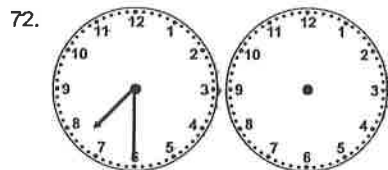
Draw the clock hands to show the passage of time.



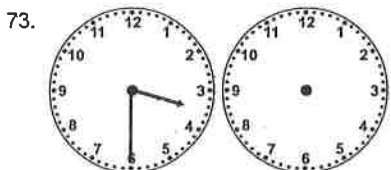
What time will it be in 1 hour 30 minutes?



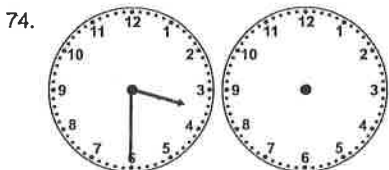
What time will it be in 4 hours 30 minutes?



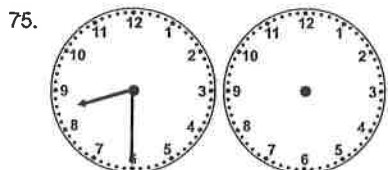
What time will it be in 4 hours 0 minutes?



What time will it be in 4 hours 30 minutes?



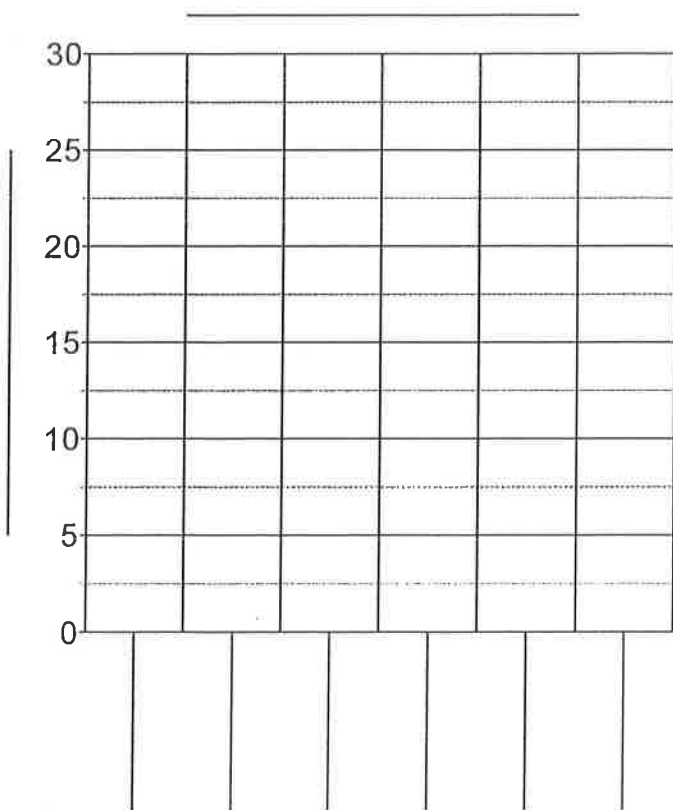
What time will it be in 5 hours 30 minutes?



What time will it be in 4 hours 0 minutes?

Complete the graph.

76.



Favorite Summer Activities

Activities	Total
Swimming	7
Biking	8
Softball	15
Hiking	18
Jump Rope	14
Hopscotch	8

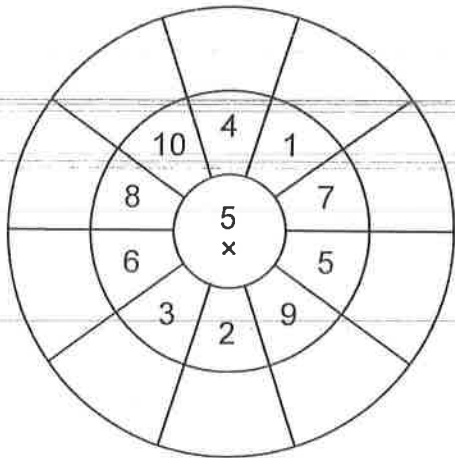
Solve.

77.      Three marbles are in the basket. Two marbles are taken out of the basket. How many marbles are in the basket now?
78.      Five marbles were in the basket. Some of the marbles were removed from the basket. Now there is one marble. How many marbles were removed from the basket?

79. \_\_\_ Audrey has zero fewer peaches than David. David has two peaches. How many peaches does Audrey have?
80. \_\_\_ Paul has two fewer peaches than Sharon. Sharon has five peaches. How many peaches does Paul have?
81. \_\_\_ Four balls were in the basket. Some of the balls were removed from the basket. Now there are zero balls. How many balls were removed from the basket?
82. \_\_\_ Audrey has 19 plums and Amy has two plums. How many more plums does Audrey have than Amy?
83. \_\_\_ Some peaches were in the basket. 21 more peaches were added to the basket. Now there are 24 peaches. How many peaches were in the basket before more peaches were added?
84. \_\_\_ 15 marbles were in the basket. 11 are old and the rest are new. How many marbles are new?
85. \_\_\_ Some apples were in the basket. 10 more apples were added to the basket. Now there are 12 apples. How many apples were in the basket before more apples were added?
86. \_\_\_ Jackie has 21 balls and Maria has five balls. How many balls do Jackie and Maria have together?

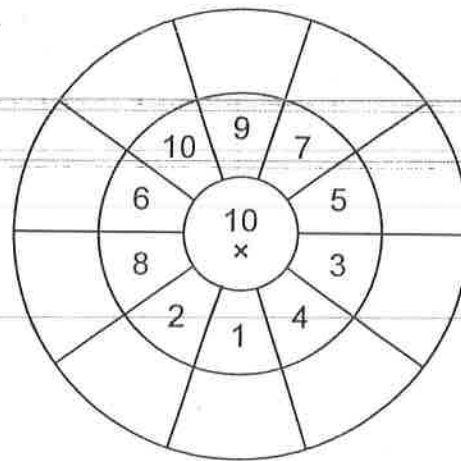
Multiply.

87.



Multiply.

88.



Find the sum.

89. 
$$\begin{array}{r} 815 \\ + 130 \\ \hline \end{array}$$
90. 
$$\begin{array}{r} 321 \\ + 148 \\ \hline \end{array}$$
91. 
$$\begin{array}{r} 563 \\ + 212 \\ \hline \end{array}$$
92. 
$$\begin{array}{r} 595 \\ + 301 \\ \hline \end{array}$$
93. 
$$\begin{array}{r} 123 \\ + 876 \\ \hline \end{array}$$
94. 
$$\begin{array}{r} 534 \\ + 401 \\ \hline \end{array}$$
95. 
$$\begin{array}{r} 236 \\ + 321 \\ \hline \end{array}$$
96. 
$$\begin{array}{r} 842 \\ + 121 \\ \hline \end{array}$$