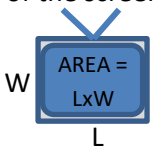
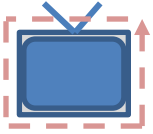




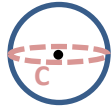
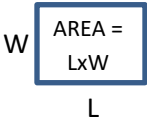




KUMON® Stay-At-Home Math Scavenger Challenge – LEVEL MEDIUM

See how many of the following you can complete and how many completed lines you can make. I've tried to include basic formulas, but feel free to search online or ask your parents. Fill your answers on the printable Answer Sheet, or write them onto your own numbered paper. Scan or take a clear picture of your completed answers and submit to kumonsunnyvale@gmail.com.


<p>1. Measure the dimensions of your TV screen. What is the area of the screen?</p> 	<p>2. Using #1, what is the perimeter of your TV screen?</p> 	<p>3. Write down the time you go to bed and wake up the next day. Calculate how much time you slept in hours and minutes.</p>	<p>4. Find exactly \$1 worth of coins. You must have at least 1 penny, 1 nickel, 1 dime, and 1 quarter. How many of each do you need?</p>	<p>5. Use a timer. See how many jumping jacks you can do in 1 minute. Calculate how many you could possibly do in 24 hours and 1 year.</p>
<p>6. Time yourself doubling numbers. Start with 1 and count up by doubling (1, 2, 4, 8, 16...). What number can you get to in 1 minute?</p>	<p>7. Find 2 circular items. Measure their diameters (D) and calculate the radii (diameter=2xradius).</p> 	<p>8. Walk the length and width of your room. How many of your "feet" are the dimensions of your room?</p> 	<p>*9. Measure the length of your foot. Use #8 to calculate the actual <u>area</u> of your room in inches.</p> 	<p>10. Time how long it takes for you to brush your teeth 4 times in a row. Find the average time. $AVG = \frac{T1+T2+T3+T4}{4}$</p>
<p>11. Make a paper airplane. See how far you can throw it. Measure and write down your furthest 3 throws and order them from longest to shortest distance.</p>	<p>12. Find 5 regular pencils and measure them all. Find how much longer the longest is compared to the shortest.</p>	<p>13. FREE SPACE</p> 	<p>*14. Look up the temperature every day at the same time for 4 days. What was the average temperature (SEE #10)?</p>	<p>15. Find 3 balls or spherical objects. Measure the circumference (C)(distance around each).</p> 
<p>16. Find 4 rectangular objects. Measure the lengths (L) and widths (W) of each. Find their areas (LxW).</p> 	<p>17. Use a ruler to measure and find 2 perfectly square items. Tell me what they are and the dimensions (length & width).</p> 	<p>18. Use a timer. See how many times you can bounce a ball (SAFELY) in 1 minute. Calculate how many times you could possibly bounce it in 24 hours and 1 year.</p>	<p>19. Count how many Kumon packets you have left to do. If it takes 10 min each to complete, how much time will it take you to finish them all (hours/min)?</p>	<p>**20. Use the measurements you found in #15 to find the radius (R) for all 3 if Circumference= $2 \times 3.14 \times \text{Radius}$. ($C = 2 \times 3.14 \times R$)</p> 
<p>21. Find 20 coins. How many of each do you have and how much money total is it?</p>	<p>22. Write down the time you wake up and go to bed in 1 day. Calculate how much time you were awake in hours & minutes.</p>	<p>23. If we have to shelter-in-place for 3 more full weeks after today, what date will it be ending?</p>	<p>24. Measure your height in inches. Calculate how many centimeters tall you are (1 inch= 2.54 centimeters).</p>	<p>*25. Using #3, calculate what percentage of the day you slept if a day has 24 hours.</p>

*Challenge questions

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Fill your answers on this printable Answer Sheet, or write them onto your own numbered paper. Scan or take a clear picture of your completed answers and submit to kumonsunnyvale@gmail.com. Submissions will get you an entry into our drawing for a gift card to Target or Amazon.

ANSWER SHEET – include units when needed

1 Length: _____ Width: _____ Area: _____ Include units.	2 TV screen Perimeter _____	3 BED TIME _____:_____ WAKE UP TIME _____:_____ SLEEP TOTAL __ hrs __ min	4 Pennies: _____ Nickels: _____ Dimes: _____ Quarters: _____	5 # Jumping Jacks: 1 min _____ Calculate: 24 hours _____ 1 year _____
6 In 1 minute I can count by doubling up to _____	7 Diameter Circle 1: _____ Circle 2: _____ Radius Circle 1: _____ Circle 2: _____ Include units.	8 Width ___ of my "feet" Length ___ of my "feet"	9 My foot measures _____ Calculate: My room area _____ Include units.	10 Time 1: _____ Time 2: _____ Time 3: _____ Time 4: _____ Average Time: _____ Include units.
11 Furthest throws 1: _____ 2: _____ 3: _____ Include units.	12 Pencil 1: _____ Pencil 2: _____ Pencil 3: _____ Pencil 4: _____ Pencil 5: _____ Difference: _____ Include units.	13. FREE SPACE KUMON® 	14 Temp 1: _____ Temp 2: _____ Temp 3: _____ Temp 4: _____ Average Temp: _____ Include units.	15 Circumference Ball 1: _____ Ball 2: _____ Ball 3: _____ Include units.
16 Length: _____ Width: _____ Area: _____ Include units.	17 Item _____ L: ___ W: ___ Item _____ L: ___ W: ___	18 # Ball Bounces: 1 min _____ Calculate: 24 hours _____ 1 year _____	19 # Kumon Packets left _____ Time to complete __ hrs __ min	20 Calculate Radius Ball 1: _____ Ball 2: _____ Ball 3: _____
21 Pennies: _____ Nickels: _____ Dimes: _____ Quarters: _____ Total: \$ _____	22 WAKE UP TIME _____:_____ BED TIME _____:_____ SLEEP TOTAL __ hrs __ min	23 Today's date: ___/___/___ 3 weeks later: ___/___/___	24 Height in inches _____ in Height in centimeters _____ cm	25 Percentage of Sleep Time _____%