

"Math Is Cool" Championships — 2020-21

4th Grade — March 24, 2021

Sponsored by: Avista Utilities

Linda Moore Triple Jump

1	What is 7420.079 rounded to the nearest whole number?																				
2	A large Zoom call can accommodate 1000 participants. If a call is 80% full, how many more participants can join the call?																				
3	Sahana has a package of charms and is putting charms onto 6 bracelets. She puts 7 charms on each bracelet and has 5 left over. How many charms were in the package?																				
4	What is the sum of the all of the even integers between 1 and 21?																				
5	Santa's bag is full of gifts, and weighs a total of 14 pounds. The empty bag weighs 4 pounds by itself. Each gift in the bag weighs 1 pound, and is worth \$100. How many total dollars are the gifts in Santa's bag worth?																				
6	<p>Use the following clues to find the mystery 3 digit number.</p> <table><tr><td>1</td><td>6</td><td>2</td><td>One digit is correct and in the correct position.</td></tr><tr><td>9</td><td>8</td><td>5</td><td>Nothing is correct.</td></tr><tr><td>2</td><td>3</td><td>4</td><td>One digit is correct and in the correct position.</td></tr><tr><td>1</td><td>7</td><td>3</td><td>One digit is correct but not in the correct position.</td></tr><tr><td>5</td><td>7</td><td>4</td><td>Two digits are correct. One is in the correct position and one is not in the correct position.</td></tr></table> <p>? ? ? What is the mystery number?</p>	1	6	2	One digit is correct and in the correct position.	9	8	5	Nothing is correct.	2	3	4	One digit is correct and in the correct position.	1	7	3	One digit is correct but not in the correct position.	5	7	4	Two digits are correct. One is in the correct position and one is not in the correct position.
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7	Tehya is drawing squares and pentagons on a piece of paper, so that none of the sides are touching. She has at least one of each shape. There are a total of 32 sides on her paper. How many pentagons has Tehya drawn?																				
8	Maria enters an office building on the ground floor (1 st floor). She takes the stairs up 3 floors and then takes the elevator up 12 more floors to the middle floor of the building. How many floors in all does the building have?																				

9	Hank has a bag of 50 marbles. Ninety percent of them are red and the remainder are blue. After some of the red marbles were removed from the bag, 75% of the remaining marbles are red. How many red marbles were removed from the bag?
10	Five crewmates have a total of \$340 between them. Cyan has twice as much as Red. Red has three times as much as Yellow. Yellow has half as much as Green. Purple has \$100. How much money does Cyan have in dollars?