"Math Is Cool" Championships — 2020-21

4th Grade — March 24, 2021

Sponsored by: Avista Utilities

Team Contest

1	Walker and ten of his closest friends are having a snowball fight on New Year's Day. They have prepared 6446 snowballs to share equally among the 11 children. How many snowballs will each child get to throw?
2	Emily, who is COVID positive, exposed three classmates at a Valentine's Day party. Each of those classmates exposed seven family members. How many total people were exposed to COVID by Emily (not counting Emily)?
3	Biff and Eho are preparing for the Mathville Annual Easter Egg Hunt. They have a bin with 500 Easter eggs. There are at least 20 of each of the following colors of eggs: red, orange, yellow, green, blue, and purple. If Biff reaches in blindfolded, how many eggs does he need to pull out to be guaranteed to have two eggs that are the same color?
4	Limin is practicing for the annual 4 th of July bike race on a standard high school track that is one-fourth of a mile around. Limin rides his bike at an average rate of 22 miles per hour. How many trips around the track would Limin make if he rides his bike at this steady rate for one hour?
5	Grace and her best friend decide to prank their whole class for April Fool's Day. They bought 19 whoopee cushions for \$5 each, 7 books of Mad Libs for \$4 each, and 9 packs of trick rubber pencils for \$3 each. Grace and her friend split the cost evenly between themselves. How much did Grace have to pay for her half of the supplies?
6	This year, the Mathville Mayor declared that summer begins at 12 AM on Memorial Day (May 31) and ends at 11:59 PM on Labor Day (September 6) How many summer days are there this year in Mathville?
7	Brycen's extended family is having a large Thanksgiving feast that consists of 48 dishes, including desserts, appetizers, side dishes, drinks, and main dishes. One-third of the dishes are desserts. There are half as many appetizers as there are desserts. There are 3 times as many main dishes as drinks. There are the same number of side dishes as appetizers. How many main dishes are there at Brycen's Thanksgiving dinner?

