Math Challenge #2

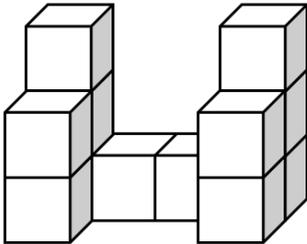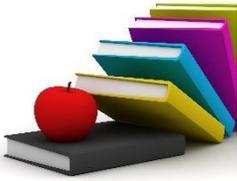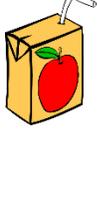| First Name: _____	Last Name: _____	Grade: _____
Teacher: _____	Parent's email: _____	

Problems with Three or More Numbers

Welcome to the Math Challenge #2. Most math problems involve the basic four operations (adding, subtracting, multiplying, and dividing). Word problems become more challenging when they involve three numbers or more. We may have to read the problem multiple times to understand how to solve it. This math challenge will challenge you to be more critical in reading the problems so that you can solve them correctly. Feel free ask adults or siblings if you get stuck.

If you are new to any of the problem-solving strategies, check out our complete overview of elementary problem-solving strategies at https://www.mathinaction.org/problem-solving-strategies.html.

Kinder & First Grade: solve at least 3 problems.
Second & Third Grade: solve at least 7 problems.
Fourth Grade and above: solve at least 12 problems.

Answer

1.	Cheryl and Jeremiah each solved three math problems. Pariza solved five math problems. How many total math problems did they solve?	
2.	Ranya is 7 years old and has been taking piano lessons for two years. Before that she took a keyboard for beginner class for a year. How old was she when she started the keyboard for beginner class?	
3.	There were 11 cookies on the table. Bianca took two cookies. Sid and Molly each took three cookies. How many cookies are left on the table?	
4.	When Anna was 3 years old, she took ballet lessons. After 2 years of ballet lessons, she then switched to tap dancing lessons for few years. She is now 8 years old and is still enjoying her tap dancing lessons. How long has she done tap dancing lessons?	
5.	Dion has 7 red cubes, 5 yellow cubes, and 3 green cubes in all. He wants to build a figure like the one in the picture below. How many cubes will be left unused after he builds the figure?	

6.	Cynthia has 9 fiction books and 3 non-fiction books. She bought several books at a yard sale over the weekend. She now has 21 books in total. How many books did she buy at the yard sale?	
7.	Radha's flower shop sold 56 gardenias, 115 tulips, and 62 roses on Saturday. On Sunday, the number of flowers sold is 18 less than the number of flowers sold on Saturday. How many total flowers did the shop sell on Saturday and Sunday?	
8.	Melanie bought an ice-cream for $5 and 9 candy bars. She spent a total of $32 dollars. How much did each candy bar cost?	
9.	Bohan bought some stickers. There were 12 more red stickers than blue stickers. There were 5 more blue stickers than green stickers. Find the number of stickers she bought if there were 30 green stickers.	
10.	Tanisha has just been hired as a window washer for the tallest building in the city. The building has 209 floors. Each floor has 9 windows of similar size. She decides to start washing windows from the top floor and work her way down. She's able to wash 19 floors a day. How many days will it take her to wash all the windows on every floor of the building?	
11.	Allyson bought some packages of candies. One package of candies contains 6 candies. She distributed the candies equally to 10 students. Each student received 7 candies and Allyson had 14 candies left. How many packages of candies did Allyson buy?	
12.	Vidhu has a collection of some Lego pieces, cards and stickers. The total number of Lego pieces and stickers was 444. He had 132 Lego pieces and had 4 times as many stickers as cards. Find the number of Lego pieces and cards Vidhu had altogether.	
13.	There were 16 packs of apple juice at a party. Each pack consists of 6 small boxes of apple juice drinks. After the party, only 5/8 of the juice boxes were left. Find the number of juice boxes consumed at the party.	

| 14. | | Elaine had 5 boxes of lollipops. She packed 10 lollipops into each plastic bag for sale at the school's fall fair. After packing 180 such bags, she had 5 lollipops left. How many lollipops were in each box at first? | |

| 15. | Melia and Anya practice their swimming at the community center pool. They are swimming together today, but they are on different swim schedules. Melia swims every 3 days and Anya swims every 5 days. How many times will they both at the pool on the same day during the next 10 weeks? | |

| 16. | Haru employed 5 painters and 2 electricians in his construction company. Each electrician was paid $105 more than each painter for each work day. Everyday Haru paid a total of $490 to the 7 workers. How much money did Haru pay one electrician for a day's work? | |

| 17. | The Redwood Theatre is celebrating its 18 years anniversary. In honor of the occasion, they are giving away prizes. They have hidden a gold, silver, red, or green token under every seat. Every person who sits in a seat with a gold token gets a free picture frame. For every 2 gold tokens they hid 18 silver, 16 red, and 12 green tokens. If there are 384 seats in the theatre, and all seats are taken, how many people won picture frames? | |

| 18. | In a contest to guess the number of coins in a jar, Ananya guessed 43, Bohan guessed 51, and Celia guessed 61. The average of two of the guesses was the correct number of coins, and each guess was off by an even number. How many coins were there in the jar? | |

Solution is available on October 22, 2021, at www.mathinaction.org