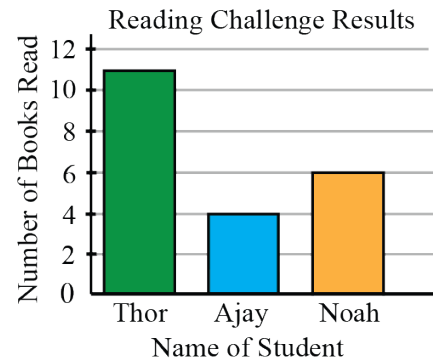


Practice Relay - Player 1

Thor, Ajay, and Noah counted the number of books they read last month for their school's reading challenge. Their results are shown in the bar graph. How many books did Noah read?



Practice Relay - Player 2

Replace N below with the number you receive.

Sabrina makes necklaces using 5 purple beads and 7 black beads on each necklace. After making N necklaces, how many beads has she used in total?



You can start working on this question while you're waiting for Player 1's answer.

Practice Relay - Player 3

Replace N below with the number you receive.

Zoe sold her old bicycle, skateboard, and ice skates for a total of $\$N$. If she sold the bicycle for $\$35$ and the skateboard for $\$25$, how much did she get for the ice skates?



You can start working on this question while you're waiting for Player 2's answer.

Practice Relay - Player 4

Replace N below with the number you receive.

Kai has a square garden with side length 5 m. If he walks around his garden N times, how many metres does he walk in total?



You can start working on this question while you're waiting for Player 3's answer.

Relay A - Player 1

To get from their house to school, Ari walks north for 7 minutes and then west for 10 minutes. To get from their house to the library, Ari walks east for 12 minutes. How many more minutes does it take Ari to walk to school than to the library?

Relay A - Player 2

Replace N below with the number you receive.

Gabe creates a sequence using toothpicks. In the sequence, Figure 1 is formed using 4 toothpicks. Each figure after Figure 1 has 3 more toothpicks than the previous figure. The first three figures are shown.



How many toothpicks does Gabe need **in total** to make the first N figures?

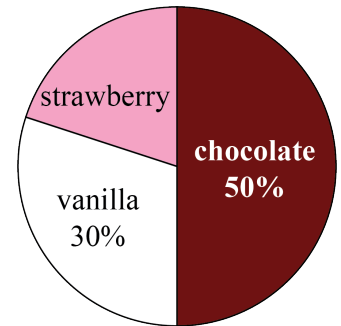


You can start working on this question while you're waiting for Player 1's answer.

Relay A - Player 3

Replace N below with the number you receive.

An ice cream truck sells chocolate, vanilla, and strawberry ice cream cones. The circle graph shows the percentage of each flavour sold one day. If N ice cream cones were sold in total that day, how many of them were strawberry?



You can start working on this question while you're waiting for Player 2's answer.

Relay A - Player 4

Replace N below with the number you receive.

Vijay has four \$20 bills and six \$10 bills. He also has N \$5 bills. If he closes his eyes and chooses a bill at random, what is the probability (as a fraction) that he chooses a \$10 bill?



You can start working on this question while you're waiting for Player 3's answer.

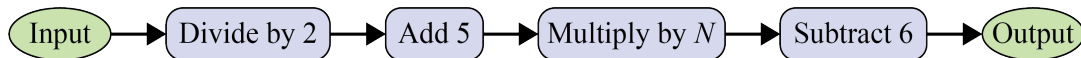
Relay B - Player 1

At a market, one apple costs \$0.50, a basket of six apples costs \$2.50, and a basket of twelve apples costs \$4.50. In dollars, what is the least expensive total price for 20 apples?

Relay B - Player 2

Replace N below with the number you receive.

When 16 is input into the flowchart below, what is the output?



You can start working on this question while you're waiting for Player 1's answer.

Relay B - Player 3

Replace N below with the number you receive.

A rope is N cm long. Rishi cuts off two pieces measuring 350 mm and 32 cm. How long, in centimetres, is the remaining piece of rope?



You can start working on this question while you're waiting for Player 2's answer.

Relay B - Player 4

Replace N below with the number you receive.

Santiago is 5 years old. He lives with his older sister, his father, and his grandmother. His older sister is 8 years old, his father is N years old, and the average (mean) of all the four ages is 25. How old is Santiago's grandmother?



You can start working on this question while you're waiting for Player 3's answer.

Relay C - Player 1

Aminah created a playlist with 35 different songs and set it to shuffle mode, where it randomly selects the next song. If the probability that the next song is one of her favourite songs is $\frac{1}{5}$, how many of her favourite songs are on the playlist?

Relay C - Player 2

Replace N below with the number you receive.
How many **seconds** are in 2 hours and N minutes?



You can start working on this question while you're waiting for Player 1's answer.

Relay C - Player 3

Replace N below with the number you receive.
Elsie's apartment number is a three-digit number that is less than 200. None of the digits in her apartment number are 0. The units digit is a multiple of 4 and the tens digit is a multiple of 3. If the sum of all three digits is the same as the sum of the digits in N , what is Elsie's apartment number?



You can start working on this question while you're waiting for Player 2's answer.

Relay C - Player 4

Replace N below with the number you receive.
Emil delivers N newspapers every Saturday. One day he was sick, so his brother delivered $\frac{1}{8}$ of the papers, his sister delivered $\frac{1}{4}$ of the papers, his cousin delivered $\frac{1}{2}$ of the papers, and his dad delivered the remaining papers. How many papers did Emil's dad deliver?



You can start working on this question while you're waiting for Player 3's answer.



2023 Team Up Challenge

Relay Answer Sheet

Team: _____

Practice Relay					
	Player 1	Player 2	Player 3	Player 4	Teacher
1 st Attempt					
2 nd Attempt					

Relay A					
	Player 1	Player 2	Player 3	Player 4	Teacher
1 st Attempt					
2 nd Attempt					

Relay B					
	Player 1	Player 2	Player 3	Player 4	Teacher
1 st Attempt					
2 nd Attempt					

Relay C					
	Player 1	Player 2	Player 3	Player 4	Teacher
1 st Attempt					
2 nd Attempt					