1st Basic

2nd Advanced

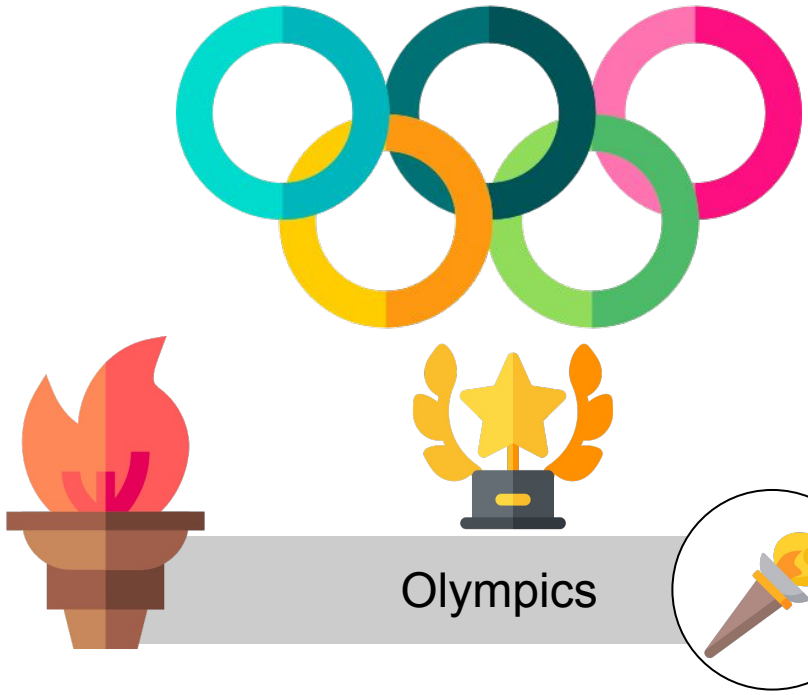
Helping With Math

USA GRADES

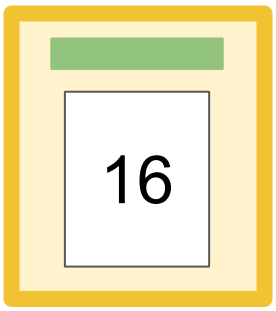
Composing Numbers

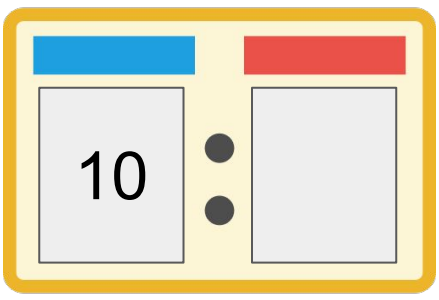
Suitable for students
aged 5-7

This pack is suitable for learners aged 5 to 7 years old or 1st and 2nd graders (USA). The content covers fact files and relevant basic and advanced activities involving composition of numbers.



The total score of the athlete was 16. Complete the composition of the score given in the scoreboard below.

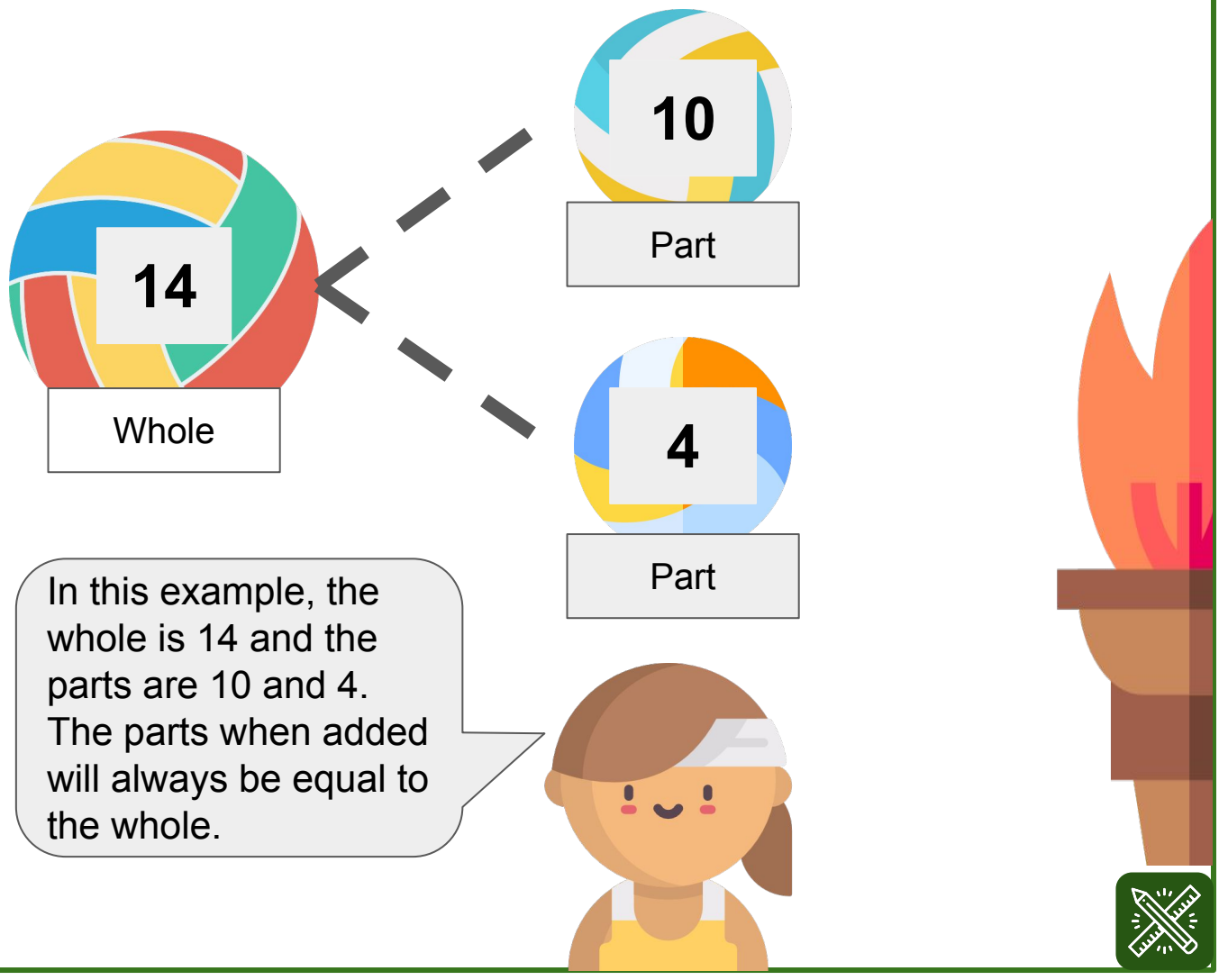




COMPOSING NUMBERS

- Composing Numbers is best explained as when small numbers are combined to make an even bigger number.
- For example, 1 and 4 makes the number 5. This makes 1 and 4 a composition of 5.
- There can be more than one way to express compositions, just like with 5, it can also be composed of 3 and 2.
- Having said that composition of numbers has two parts. First is the whole which is the number that is bigger and the parts which are smaller number that makes up the whole.

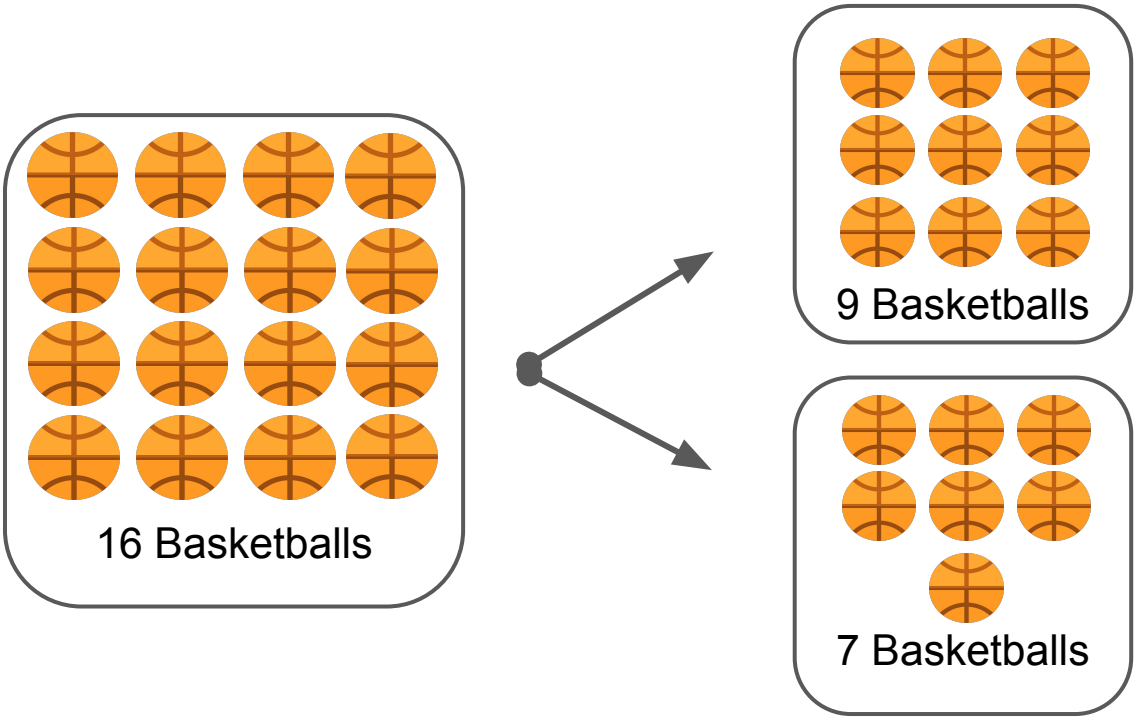
IDENTIFYING PARTS OF COMPOSING NUMBERS



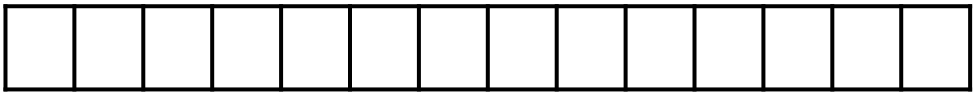
COMPOSING NUMBERS

EXAMPLE OF COMPOSING NUMBERS

In this example, we have 16 balls in total. It is composed of 9 balls and another 7 balls. The PARTS in this example would be the 9 and 7 balls, while the WHOLE would be the 16 balls.



Here's a sample problem. There are 14 seats in the arena, 9 seats will be for Team Blue while 5 will be for Team Red. Color the spaces below based on the count of people that will seat.



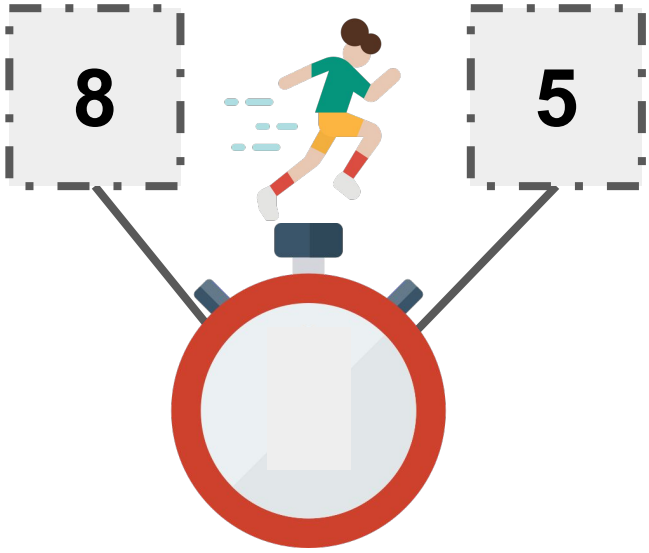
COMPOSITION OF NUMBERS

APPLICATION OF COMPOSITION OF NUMBERS

Application of Composition of Numbers is commonly found in areas of sports. When scoring is used, we often use composition of numbers. When trying to know the number of players in the field, we also use Composition of Numbers. In Soccer for example, the total score of a team is the Whole while the scores of the team per rounds are the Part. In Basketball, the total score of the team is important, and per round, the score is added up. This way, we also use Composition of Numbers.

SAMPLE PROBLEMS

Given below are the time the track runner got during her run. What is her Whole time? Use the Parts provided below.



Did you know?

Did you know that the first known Olympic Games were held in the summer of 776 B.C. at Olympia in Southern Greece.

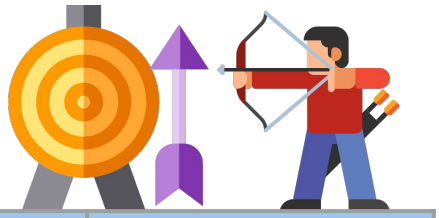
TABLE OF ACTIVITIES

Ages 5-6 (Basic)		1st Grade
1	Archery Scores!	
2	3 on 3 Basketball	
3	Diving Champion	
4	The Relay Race	
5	10’s 10’s 10’s Across the Board	
Ages 6-7 (Advanced)		2nd Grade
6	Volleyball Fever	
7	Boxing Champion	
8	Weightlifting Fairies	
9	Semifinals Match	
10	The Grand Champion	

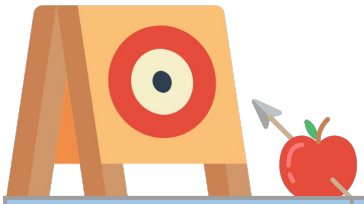
ARCHERY SCORES

G1
Basic

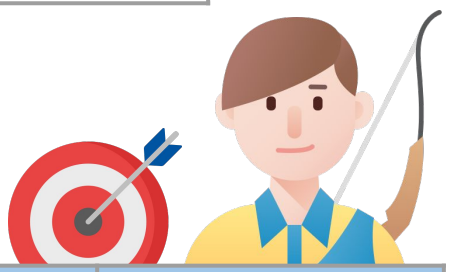
In archery, scores per shots are tallied to know the final scores. Determine the missing values in the given problem. Write your answers on the space provided. Good luck!



1st Arrow	2nd Arrow	Total Score
14		28



1st Arrow	2nd Arrow	Total Score
11	10	

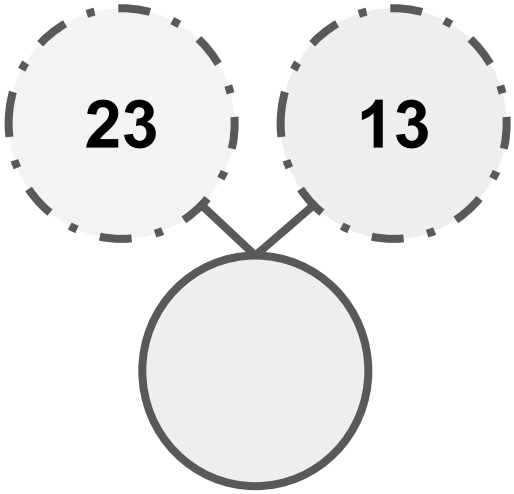


1st Arrow	2nd Arrow	Total Score
16		19

3 ON 3 BASKETBALL

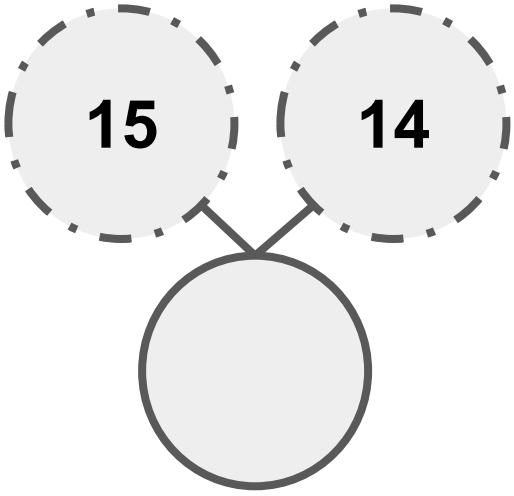
G1
Basic

3 on 3 basketball on the Olympics is a variation of basketball played three-a-side, with a backboard and is played on a half-court set-up. Now you must complete the scoreboard with the scores provided by the players and determine who the winner is.



Team U.S.A

Team France

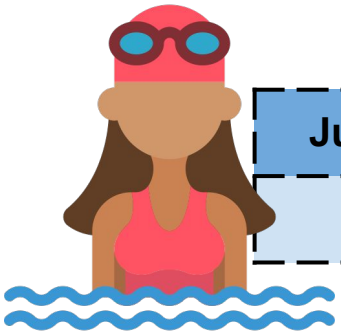


The winner for the 3 on 3 basketball is:_____

DIVING CHAMPION

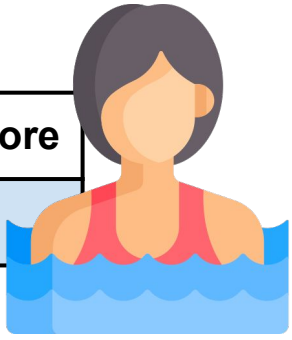
G1 Basic

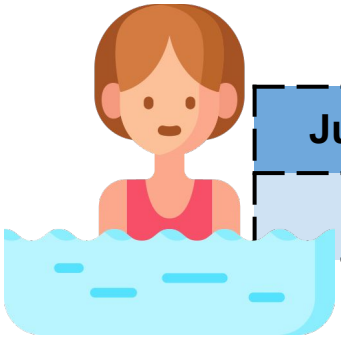
In diving, the judges gives a score from 1-10. Determine the total score of the contestants by the composition of the final scores. Write your answers on the space provided.



Judge 1	Judge 2	Judge 3	Final Score
9	9	8	

Judge 1	Judge 2	Judge 3	Final Score
7	5	4	





Judge 1	Judge 2	Judge 3	Final Score
10	8	7	

Judge 1	Judge 2	Judge 3	Final Score
8	7	7	

THE RELAY RACE

G1
Basic

In relay race, a member starts running from a point and then pass a baton stick to its member until they reach the finish line. Here you will see either the time it took them or how much time they needed to finish. Determine the whole as well as its parts.

Our total time together is 39 seconds, and the first runner took 20 seconds.

Whole:_____
Parts:_____,_____

The second runner took 16 seconds and our total time is 41 seconds.

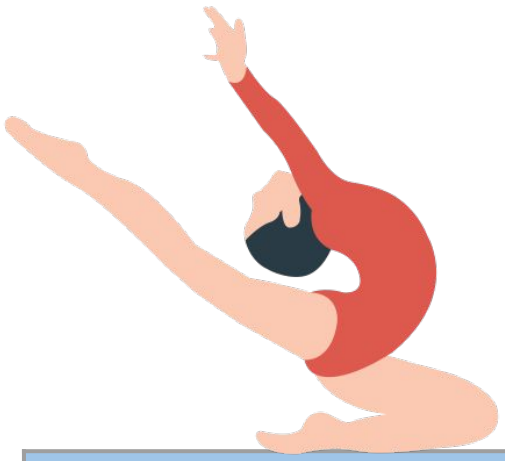
Whole:_____
Parts:_____,_____

10'S 10'S 10'S ACROSS THE BOARD

G1 Basic

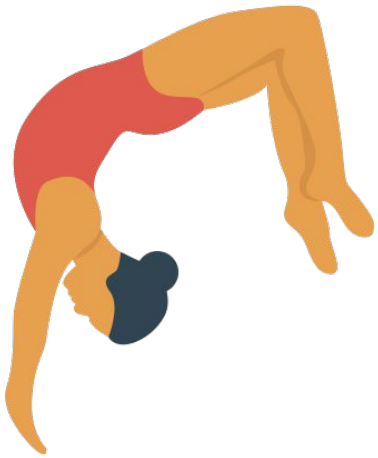
Rhythmic gymnastics is a sport in the Olympic Games. It is scored based on how difficult the routine was done and the cleanliness of the execution. With this, you now must know the composition of the score each performer has and draw the flag of the country that won.

JAPAN		
1st Score	2nd Score	Final Score
	14	39



U.S.A.		
1st Score	2nd Score	Final Score
16	14	

CHINA		
1st Score	2nd Score	Final Score
21		45



Volleyball Fever

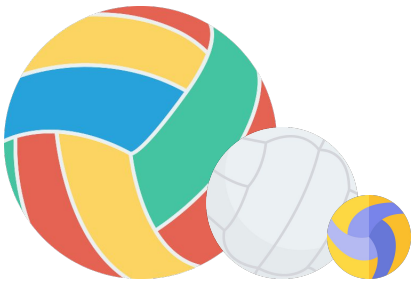
G2 Advanced

In volleyball, 2 teams of 6 players are separated by a net. It is a best out of 3 game with 25 points on the 1st and 2nd set and 21 or two consecutive points after for the 3rd set. Your task is to determine the missing score based on the given numbers.

25	
	25
21	19
Total: 59-54	

	25
25	
17	21
Total: 60-60	

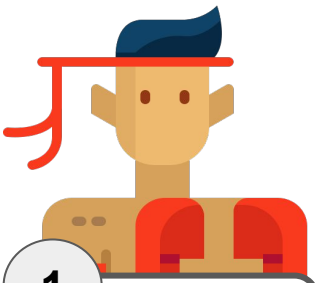
	25
25	
17	21
Total: 60-60	



Boxing Champion

G2 Advanced

A boxing match can be judged in different ways. One of which is the amount of punch landed per round. Match the diagram to the boxer. Connect the dots to the parts, which are the punches, and the whole which is the score of the boxer. Good luck!

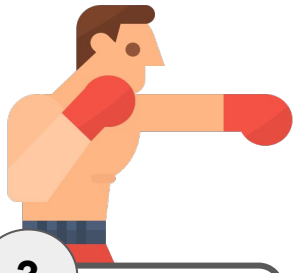


1

88

2

87



3

90

4

89

57

30

23

65

58

31

60

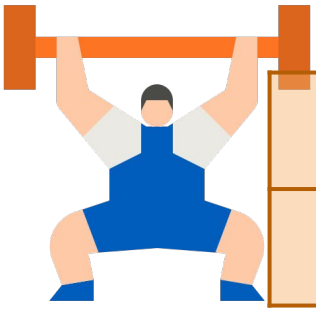
30

Weightlifting Fairies

G2 Advanced

In a weightlifting match, each contestant is judged based on the amount of weight they can carry. Determine the weight they carried using the composition of the amount of weight they lifted.

Weight 1	Weight 2	Total Weight
62		88
	24	74



76		96
50	30	

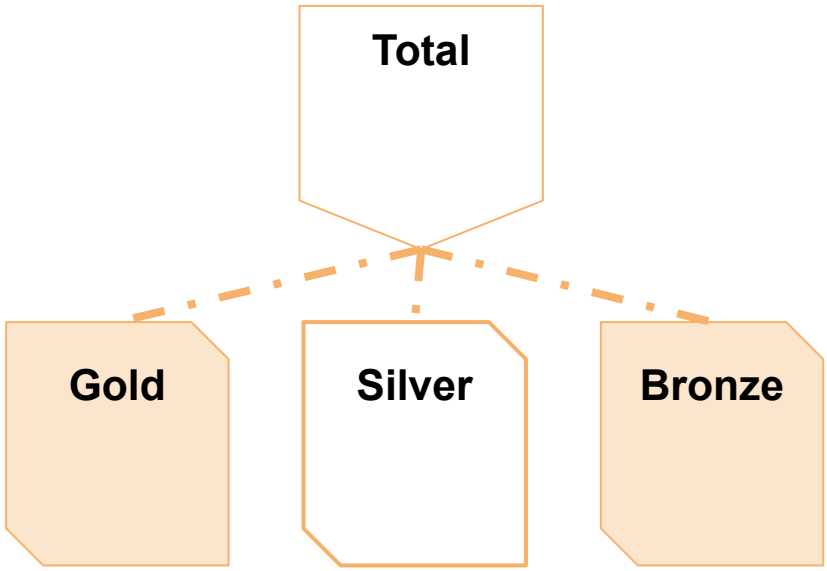
54	14	
65	15	

Semifinals Match

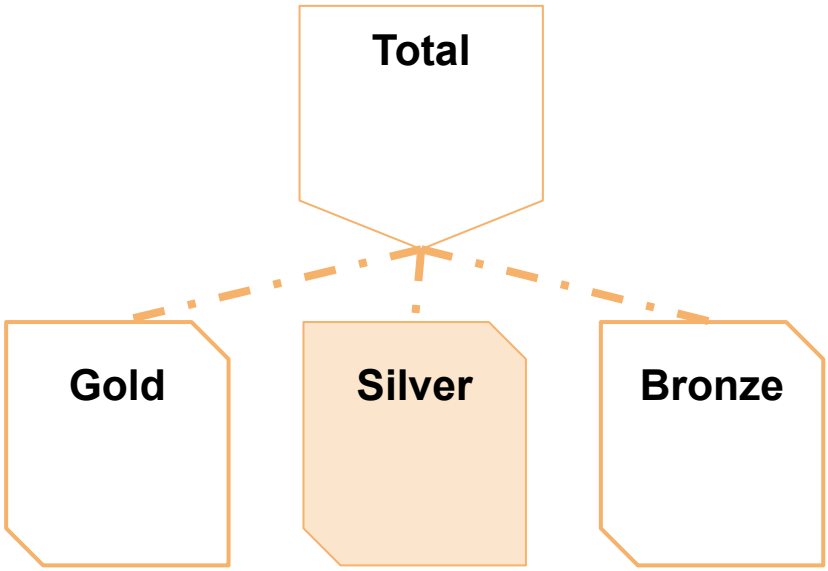
G2 Advanced

It is nearing the end of the Olympics! To have a better grasp of the situation, let's tally up the number of wins each country representative has. Complete the diagram below using the data provided by the athletes.

We have 29 golds, 18 silver, and 10 bronze.



We have a total of 76 medals, 32 of them are silver and 14 of them are bronze.



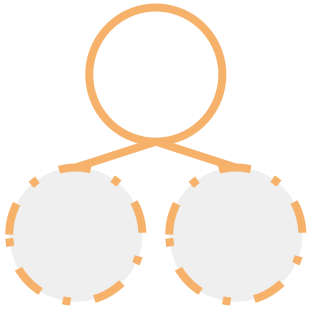
The Champion

G2 Advanced

Now that the Olympics is done, let's help the athlete in their problems. Read the question carefully and answer it with the best possible answer. Good luck!

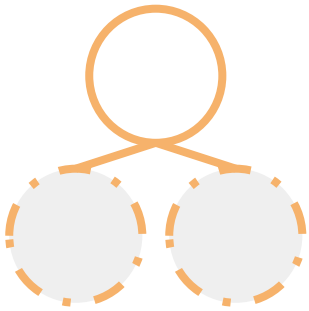
1. Our total score for the whole Olympics is 87. Our first half score is 44. What is our second half score?

Solution: Answer:



2. The soccer team had 54 goal attempts in the preliminaries, and 33 goal attempts in the semifinals match. What is their total goal attempt?

Solution: Answer:



ANSWER GUIDE

Activity 1

1. 14 2. 21 3. 3

Activity 2

1. 36 2. 29
Winner: Team U.S.A

Activity 3

1. 26 2. 16 3. 25 4. 22

Activity 4

1. Whole:39 Parts: 20,19
2. Whole:41 Parts:25,16

Activity 5

1. 25 2. 24 3. 30
WINNER: CHINA

Activity 6

1. 10,13 2. 10,10 3. 18,14

Activity 7

1. Green 3. Yellow
2. Blue 4. Red

Activity 8

1. 26 2. 50 3. 20 4. 80 5. 68 6. 80

Activity 9

1. Total: 57
Gold: 29
Silver:18
Bronze:10

2. Total:76
Gold:20
Silver:32
Bronze:14

Activity 10

1. Whole: 87
Parts: 44,43
2. Whole: 88
Parts: 54,33

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