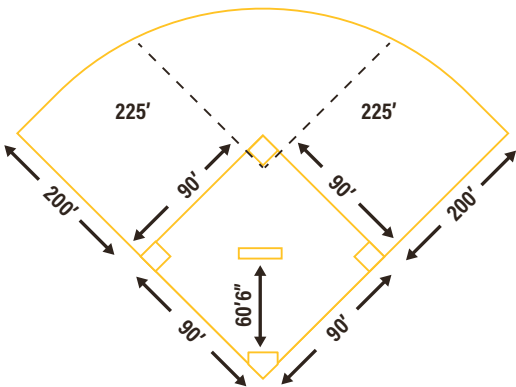


COMPADRES KIDS

MATH PROBLEMS

	1	2	3	4	5	6	7	8	9	R	H	E
GIANTS	0	1	1	0	2	2	0	0	0	6	9	1
PADRES	0	2	0	1	0	0	3	0	1	7	12	0

- How many combined runs were scored in the game?
- How many combined runs and hits did the Padres have?
- How many combined runs and hits did Padres and Giants have?



- What is the area of infield?
- What is the distance from 1st base to 3rd base?
- What is the perimeter of the base path?
- What is the perimeter of the outfield wall if the outfield wall is 40% of a circle and radius is 225'?
- What is the perimeter of entire field?
- If a runner takes off from 2nd base at 22 ft/sec, and at the same time the first baseman throws to 3rd base from 1st base a baseball at 88ft/sec, is the runner safe or out? By how much?
- If runner on second tags up and runs to 3rd base at 22ft/sec, and right fielder throws ball to 3rd base from 350 feet away at 88ft/sec is the runner safe or out? By how much?
- A batter has 400 at bats for the season, and his batting average is .350, how many hits did he have?
- How many hits would he need to hit .400 with 400 at bats?
- If Fernando Tatis Jr. can run 750 feet in 25 seconds how many feet can he run in one second?
- How many outs are recorded by the Padres in a 9-inning game that has the home team batting through all nine innings?
- How many outs are recorded by both teams if the home team bats through all nine innings?
- How many outs are recorded by Padres in a 3-game series if the home team bats through all nine innings?
- If lemonade costs \$6.25, a popcorn costs \$5.75, and peanuts cost \$4.50 what is the total?



ANSWER KEY

1. **13**
2. **19** (12+7)
3. **34** (6+9+7+12)
4. Area of Square = $X^2 = 90^2 = 8100\text{ft}^2$
5. A^2 (squared) + B^2 (squared) = C^2 (squared) = $8100\text{ft} + 8100\text{ft} = C^2 = 16,200 = C^2 = \sqrt{16,200} = C = 127.3$
6. $90+90+90+90= 360\text{ft}$
7. $C = 2 \pi r = 2 \pi (225) = 1413.7$, then take 40%, so $(14137)(.4) = 565.5'$
8. $90+200+565.5+200+90= 1145.5$ feet
9. Runner $90\text{ft}/22\text{ft per second} = 4.1$ seconds
Throw $127\text{ft}/88\text{ft per second} = 1.4$ seconds
Out! by (4.1 sec - 1.4sec) = 2.7 seconds
10. Runner $90\text{ft}/22\text{ft per second} = 4.1$ seconds
Throw $350\text{ft}/88\text{ft per second} = 3.97$ seconds
Out! by (4.1 sec - 3.97sec) = .13 seconds
11. Hits/At bats = AVG = $x/400 = 350$
 $400 (x/400) = (.350) 400 = x = 140$ hits, so $140/400 = .350$
12. $400 (x/400) = (.400) 400 = x = 160$ hits, so $160/400 = .400$
13. $750/25 = 30$ ft per second
14. 9 innings x 3 outs = **27 outs total**
15. $9 \times 3 \times 2 = 54$ outs total
16. $9 \times 3 \times 3 = 81$ out total
17. $\$6.25 + \$5.75 + \$4.50 = \16.50