COMPADRES KIDS

Qualcomm

MATH PROBLEMS

1. If the Padres played a 3-game series and swept the series scoring 6, 9 and 3 runs, how many runs did they average in the series?

2. If the Padres played two, 3-game series, and the first series the attendance was 28,500, 35,000 & 36,000 their next series the attendance was 36,000, 40,500 & 27,000. Which series had a higher average attendance?

3. If Paddack pitched 7 innings in his first start of the season and gave up 2 earned runs, and in his second start he went a complete 9 innings and gave up 2 earned runs, what is his ERA after his first 2 starts?

4. Find the ERA for these pitchers:
   a. Lamet allowed 2 runs in 8 innings
   b. Paddack allowed 1 run in 7 innings
   c. Lucchesi allowed 12 runs in 72 innings
   d. Richards allowed 58 runs in 199 innings

5. If Tatis stole 26 bases in 29 attempts, what is his stolen base percentage?

6. If the Padres have 4 hat options, 2 jersey options and 2 pants options, how many ways can they mix and match their uniforms? How many possible uniform combinations?

7. If Machado hits 3 home runs in a series, the first traveling 405 feet, the second traveling 380 feet, and the third traveling 400 feet, what is the average distance of his 3 home runs?

8. If Paddack throws his fastball at 95 mph, how fast is that in feet per second?

9. If you have $20 and go to the concession stand to buy a bag of peanuts for $5.50 and a drink for $4.75. How much change is left?

10. Wil Myers hits a home run that travels 420 feet, how many yards does it travel?

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MATH ANSWERS

1. 6
(6 + 9 + 3)/3 = 18/3

2. Series 1 = **33,333**
(28,500 + 35,000 + 36,500)/3

Series 2 = **51,750**
(36,000 + 40,500 + 27,000)/3
Series 2 had a higher average attendance

3. ERA = (runs/innings) x 9
2.25 ERA
(2 + 2)/(7 + 9) = (4/16) x 9 = (.25)(9)

4. ERA = (runs/innings) x 9
a. **2.25**
(2 runs/8 innings) x 9

b. **1.28**
(1 run/7 innings) x 9

c. **1.5**
(12 runs/72 innings) x 9

d. **2.62**
(58 runs/199 innings) x 9

5. 89.6%
26/29

6. 16 Possible Uniform Combinations
4 x 2 x 2

7. 395 feet
(405 + 380 + 400)/3

8. 139.3 feet per second!
(95 miles/1 hour) = (95 miles/60 minutes) = (95 miles/3600 seconds) – and there are 5,280 feet in a mile – so,
(95 miles x 5,280 feet) = (501,600 feet/3600 seconds)

9. $9.75
$20 - ($5.50 + $4.75) = $20 - ($10.25)

10. 140 yards - almost a football field and a half!
3 feet in 1 yard, so (420 feet/3)