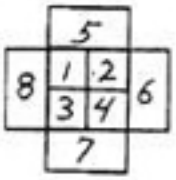
MEET 2 EUCLIDEAN DIVISION DEC. 4, 1997 GRADE 5 SOLUTIONS

The answer to each question is in parenthesis at the beginning of each solution.

1) (7) $5 + \Delta$ must equal a number with a 2 in the units place. 7 is the only choice. $752 - 367 = 385$.

2) (10) 21 X's = 6 Y's. If 3 Y's = 5 Z's, then 6 Y's = 10 Z's. Now, 21 X's = 6 Y's = 10 Z's.

3) (9) Numbering the sections, the 9 squares are: 1, 2, 3, 4, 1 & 2 & 5, 2 & 4 & 6, 3 & 4 & 7, 1 & 3 & 8, 1 & 2 & 3 & 4.



4)

3	4	2
3		6
3	5	1

All 4 sides add to 9.

5) (45) Many math problems can be solved by breaking things into pieces. □ □ □ and □ □ □ to start, then □ □ and □ □ □ □, if one object is given up to the other. The second now contains twice as much as the first. The 15 ounces represents one-third of the original amount of juice in the container. Both containers started with 45 ounces of juice. They end with 30 ounces in one and 60 ounces in the second container.

6) (12) $1 \rightarrow 5$, $2 \rightarrow 6$, $3 \rightarrow 7$ etc. until you arrive at a pair of numbers that total 20. $8 \rightarrow 12$ means the 8th woman shook hands with 12 men. $8 + 12 = 20$.