



- How many groups of 7 can be made and how many are left from  
 (a) 999 spectators      (b) 793 marchers      (c) 286 jugglers  
 (d) 502 musicians      (e) 90 jesters      (f) 265 acrobats?
- Each juggler uses 6 clubs.  
 How many jugglers can perform if there are  
 (a) 737      (b) 679      (c) 93      (d) 453      (e) 188 clubs?
- How many of the 502 musicians are left when they are put in groups of  
 (a) 8      (b) 2      (c) 3      (d) 9      (e) 4?
- How many of the 793 marchers are left when they march in rows of  
 (a) 5      (b) 9      (c) 4      (d) 8      (e) 3?
- One bottle holds 10 glassfuls. How many bottles would be needed to give a glassful each to  
 (a) 700 spectators      (b) 89 jugglers      (c) 151 acrobats?
- There are fewer than 50 drummers.  
 When arranged
  - in rows of 8, there are 3 left over
  - in rows of 9, none are left.
 How many drummers are there?

Problem solving



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