

**Sujet n°10**

**ARITHMETICS**

**Please do not write on the subject paper and don't forget to give back the examination paper at the end of the test.**

**Multiple Choice Questionnaire**

1. Anabeth, Beatrix and Coleen start at the same time in the same direction to run around a circular stadium. Anabeth completes a round in 252 seconds, Beatrix in 308 seconds and Coleen in 198 seconds, all starting at the same point. After how long will they meet again at the starting point ?  
(a) 26 minutes and 18 seconds.  
(b) 42 minutes and 36 seconds.  
(c) 45 minutes.  
(d) 46 minutes and 12 seconds.
  
2. Three different containers contain 496 litres, 403 litres and 713 litres of mixtures of milk and water respectively. What biggest volume can measure all different quantities exactly ?  
(a) 1 litre  
(b) 7 litres  
(c) 31 litres  
(d) 41 litres
  
3. Jenny is organising a barbecue. There are 30 bread rolls in a pack. There are 16 sausages in a pack. She needs exactly the same number of bread rolls as sausages. What is the smallest number of each pack she must buy?  
(a) 16 packs of bread rolls and 30 packs of sausages  
(b) 8 packs of bread rolls and 15 packs of sausages  
(c) 240 sausages and 240 bread rolls  
(d) 15 packs of bread rolls and 8 packs of sausages
  
4. Six bells begin tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together ?  
(a) 4 times  
(b) 10 times  
(c) 15 times  
(d) 16 times

**Vocabulary :**

Bread roll = petit pain pour hot dogs  
to toll = sonner