

MATHEMATICS ENRICHMENT CLUB.¹
Solution Sheet 1, April 30, 2012

Answers

1. Easy
2. $1/4$ and $1/64$ full.
3. 4.
4. easy
- 5.iii) $n = p^4q^2$, p, q distinct primes will do.
- 6.
- 7.
8. 39,690km, which is less than 2% different from the actual circumference of the earth.

¹Some of the problems here come from T. Gagen, Uni. of Syd. and from E. Szekeres, Macquarie Uni.

Senior Questions.

1.