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) $n = p^4 q^2$, p, q distinct primes will do.

6.

7.

8. 39,690km, which is less than 2% different from the actual circumference of the earth.

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

Senior Questions.

1.