

MATHEMATICS

Paper 02 – General Proficiency

2 hours 40 minutes

04 JANUARY 2013 (a.m.)

1. Number

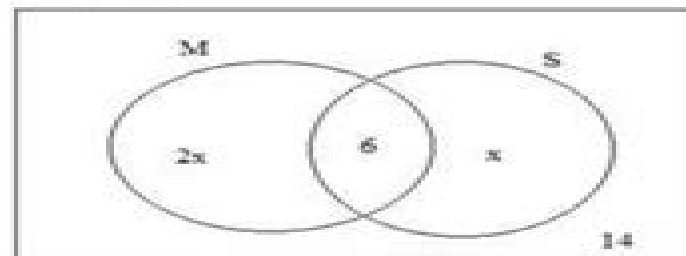
- a. 9.257
- b. Currency conversion
 - i. US\$647 Petties
 - ii. US\$596.30 Angie's
 - iii. Angie's is cheaper
 - iv. Price of Angie's before tax is \$1400

2. Algebra

- a. $p = \frac{3}{2}$
- b. ...
 - i. $(5m - 1)(5m + 1)$
 - ii. $(x - 4)(2x + 5)$
- c. Simultaneous equations
 - i. $5x + 12y = 61$
 $10x + 13y = 89$
 - ii. Prices
 - a. Lollipop $x = 5$ grams
 - b. Toffee $y = 3$ grams

3. Sets and geometry

- a. ...
 - i. Copy and complete the Venn Diagram

 $U = 50$ 

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