

Answer Sheet  
Dual Dig Level I  
March 8, 2008

1.  $x$   $y$   

5	-2
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2. 

$\sqrt{3}/6$
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3. 

-1
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4. 

250 [integers]
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5. 

$a = \frac{bc}{b+c}$
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6. 

4
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7. 

$y = \frac{8}{15}(x-5)(x+3), \text{ or}$ $y = \frac{8}{15}(x^2 - 2x - 15), \text{ or}$ $y = \frac{8}{15}x^2 - \frac{16}{15}x - 8$
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8. 

15 liters
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9. 

$24\sqrt{\frac{2}{\pi}} \text{ m}$
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10. 

13 chickens
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KEY

11. 

256
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12. 

$[5, \infty)$
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13. 

5 minutes
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14. 

-3
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15. 

3240
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16. 

$\{-1, 1\}$
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17. 

19 [ways]
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18.  $3^{\text{rd}}$   $4^{\text{th}}$   $5^{\text{th}}$   

91	71	80
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19. 

$1/3$
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20.  $c =$   

$ab$
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