

Math Day at the Beach 2012: Short Answers

MULTIPLE CHOICE:

1. E 2. E 3. A 4. E 5. E 6. D 7. D 8. B 9. B 10. D
11. D 12. B 13. A 14. B 15. B
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INDIVIDUAL FREE RESPONSE:

16. 100 17. $\frac{1}{2} + \frac{11\pi}{6}$ 18. 252π or $252\pi \text{ m}^2$ 19. 5 20. 144
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TEAM ROUND:

1. $\frac{\sqrt{3}s^2}{18}$. 2. 13 3. 525 4. $6 - 4\sqrt{2}$ (square feet) 5. $\frac{\sqrt{2}}{2}$ 6. $-\frac{3521}{6}$. 7. 9409 8. 4022π
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