

Math Day at the Beach 2018: Short Answers

MULTIPLE CHOICE:

1. D 2. C 3. A 4. E 5. A 6. B 7. A 8. B 9. D 10. B
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INDIVIDUAL FREE RESPONSE PART 2:

11. $2^{-2/3}, 8$ 12. 74 cm^2 (or just 74) 13. 814 14. 504
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INDIVIDUAL FREE RESPONSE PART 3:

15. 466 16. 35 17. 4332 18. 74, from $26\sqrt{3} - 45$
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TEAM ROUND:

1. 18 2. $0 < b < \frac{1}{e}$ 3. $\frac{13}{27}$ 4. 246 5. 5 6. 40° 7. $\frac{4\sqrt{3}+8}{3}$ 8. 10940
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