

Math Day at the Beach 2016: Short Answers

MULTIPLE CHOICE:

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

11. 48 12. 274 13. $\frac{75}{2}$ 14. 3133 (from 653/2480)
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INDIVIDUAL FREE RESPONSE PART 3:

15. $(1 - b, 1 - a)$ 16. 16 17. $\frac{1}{9}$ 18. 62
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TEAM ROUND:

1. 10 2. $\frac{2\sqrt{3}-3}{3}$ 3. 1984 4. 12 5. $-\frac{1}{9}$ 6. 135 7. $\frac{113}{355}$ 8. $136 - 96\sqrt{2}$ or $8(17 - 12\sqrt{2})$
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