

SAT Preparation Exercises

Chapter 1

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|--------|--------|--------|
| 1. D | 2. B | 3. C |
| 4. B | 5. C | 6. C |
| 7. C | 8. E | 9. D |
| 10. A | 11. D | 12. B |
| 13. 90 | 14. 6 | 15. 36 |
| 16. 45 | 17. 81 | 18. 5 |

Chapter 2

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|--------|--------|--------------------------|
| 1. B | 2. A | 3. E |
| 4. C | 5. E | 6. E |
| 7. E | 8. C | 9. E |
| 10. D | 11. E | 12. A |
| 13. C | 14. 24 | 15. 52 |
| 16. 12 | 17. 49 | 18. $\frac{3}{2}$ or 1.5 |
| 19. 13 | 20. 29 | |

Chapter 3

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|--------|----------|--------|
| 1. C | 2. D | 3. C |
| 4. C | 5. D | 6. D |
| 7. B | 8. E | 9. A |
| 10. B | 11. E | 12. B |
| 13. 60 | 14. 37.5 | 15. 36 |
| 16. 1 | 17. 280 | 18. 4 |
| 19. 9 | 20. 67.5 | |

Chapter 4

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|----------|--------|--------|
| 1. D | 2. B | 3. A |
| 4. E | 5. E | 6. E |
| 7. C | 8. E | 9. D |
| 10. E | 11. C | 12. C |
| 13. B | 14. D | 15. 90 |
| 16. 24 | 17. 45 | 18. 12 |
| 19. 17.5 | 20. 26 | |

Chapter 5

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|---------|--------|----------------------------|
| 1. D | 2. D | 3. E |
| 4. A | 5. A | 6. B |
| 7. B | 8. C | 9. C |
| 10. D | 11. B | 12. A |
| 13. 96 | 14. 6 | 15. 80 |
| 16. 206 | 17. 12 | 18. $\frac{5}{8}$ or 0.625 |
| 19. 120 | 20. 60 | |

Chapter 6

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|------|------|------|
| 1. A | 2. C | 3. A |
| 4. B | 5. E | 6. D |
| 7. D | 8. E | 9. D |

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|--------|-------------------|-------------------|
| 10. B | 11. D | 12. A |
| 13. C | 14. C | 15. $\frac{5}{4}$ |
| 16. 4 | 17. 18 | 18. 2 |
| 19. 15 | 20. $\frac{1}{2}$ | |

Chapter 7

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|-----------------|--------|-------|
| 1. D | 2. A | 3. B |
| 4. E | 5. C | 6. C |
| 7. D | 8. E | 9. B |
| 10. C | 11. A | 12. B |
| 13. E | 14. E | 15. B |
| 16. $3 < x < 4$ | 17. 24 | 18. 3 |
| 19. 53 | 20. 5 | |

Chapter 8

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|-----------------|---------|---------|
| 1. B | 2. A | 3. E |
| 4. E | 5. B | 6. C |
| 7. D | 8. C | 9. A |
| 10. D | 11. E | 12. B |
| 13. B | 14. B | 15. 60 |
| 16. 1.5 | 17. 113 | 18. 1.5 |
| 19. 1 | 20. 5 | 21. 26 |
| 22. 58 sq units | | |

Chapter 9

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|--------------------|--------|---------|
| 1. E | 2. D | 3. B |
| 4. B | 5. A | 6. C |
| 7. E | 8. D | 9. E |
| 10. E | 11. C | 12. C |
| 13. $\frac{1}{35}$ | 14. 25 | 15. 150 |
| 16. 32.5 | 17. 60 | 18. 120 |
| 19. 18 | 20. 10 | |

Chapter 10

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|--------------------------|------------------------|-------------------|
| 1. D | 2. A | 3. D |
| 4. C | 5. C | 6. E |
| 7. A | 8. C | 9. B |
| 10. D | 11. C | 12. A |
| 13. $\frac{1}{2}$ or 0.5 | 14. 40 | 15. 109 sq units |
| 16. 56 | 17. 3 | 18. 10.5 sq units |
| 19. 153 | 20. 48 cm ² | |

Chapter 11

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|------|------|------|
| 1. E | 2. D | 3. A |
| 4. A | 5. E | 6. C |

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|-------------------------|----------------------------|-------------------------|
| 7. B | 8. C | 9. A |
| 10. B | 11. C | 12. E |
| 13. 783 in.^3 | 14. 120 sq units | 15. 6 |
| 16. $\frac{9}{8}$ | 17. 20 in. | 18. 283 in.^2 |
| 19. 11 | 20. 1.25 ft^3 | |

Chapter 12

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|----------|----------------------------|--------|
| 1. D | 2. B | 3. A |
| 4. D | 5. D | 6. B |
| 7. D | 8. C | 9. C |
| 10. B | 11. D | 12. D |
| 13. 24 | 14. 216 cu units | 15. 12 |
| 16. 12.8 | 17. 25 | 18. 46 |
| 19. 18 | 20. 20 | |

Chapter 13

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|----------------|-----------------------------|----------------|
| 1. B | 2. C | 3. B |
| 4. E | 5. D | 6. D |
| 7. C | 8. A | 9. A |
| 10. B | 11. C | 12. A |
| 13. D | 14. B | 15. 10 |
| 16. 10 | 17. 62.8 sq units | 18. 75° |
| 19. 94° | 20. 18 | |

Chapter 14

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|-------|------------------------------------|--------|
| 1. D | 2. A | 3. C |
| 4. A | 5. E | 6. E |
| 7. D | 8. A | 9. C |
| 10. B | 11. C | 12. D |
| 13. E | 14. A | 15. B |
| 16. 4 | 17. 2 | 18. 14 |
| 19. 3 | 20. $0.25 \text{ or } \frac{1}{4}$ | |