

Inverse Operations (page 39)

- | | |
|------|-------|
| 1. E | 7. B |
| 2. G | 8. D |
| 3. J | 9. L |
| 4. F | 10. I |
| 5. C | 11. A |
| 6. K | 12. H |

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Multiplication Solutions (page 89)

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|---------------|--------------|
| 1. $a = 2$ | 2. $x = 2$ |
| 3. $z = 4$ | 4. $b = 4$ |
| 5. $y = 8$ | 6. $x = 5$ |
| 7. $y = 12/5$ | 8. $z = 6/4$ |

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Solving Equations with Addition (page 87)

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|-------------|-------------|-------------|
| 1. $a = 1$ | 2. $x = 13$ | 3. $z = 39$ |
| 4. $b = 8$ | 5. $y = 7$ | 6. $x = 2$ |
| 7. $y = -2$ | 8. $z = 10$ | 9. $a = -2$ |

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Inverse Operations: \times (page 42)

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|--------|---------|
| 1. 5 | 11. 100 |
| 2. 10 | 12. 5 |
| 3. 9 | 13. 7 |
| 4. 20 | 14. 7 |
| 5. 5 | 15. 7 |
| 6. 6 | 16. 56 |
| 7. 7 | 17. 4 |
| 8. 7 | 18. 2 |
| 9. 9 | 19. 7.5 |
| 10. 15 | 20. 13 |

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Inverse Operations: $+$ (Page 40)

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|-------------|---------------|
| 1. $x = 8$ | 11. $x = 20$ |
| 2. $a = 27$ | 12. $c = 0$ |
| 3. $y = 13$ | 13. $x = 5$ |
| 4. $z = 42$ | 14. $x = 40$ |
| 5. $x = 10$ | 15. $n = 3$ |
| 6. $a = 85$ | 16. $r = -5$ |
| 7. $x = 85$ | 17. $n = 21$ |
| 8. $a = 18$ | 18. $t = 20$ |
| 9. $y = 59$ | 19. $x = 48$ |
| 10. 36 | 20. $x = 3/4$ |

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Division Solutions (page 90)

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|-------------|--------------|
| 1. $a = 12$ | 2. $x = 20$ |
| 3. $z = 33$ | 4. $b = 28$ |
| 5. $y = 72$ | 6. $x = 30$ |
| 7. $y = -8$ | 8. $z = -12$ |

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Subtraction Solutions (page 88)

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|-------------|-------------|
| 1. $a = 11$ | 2. $x = 30$ |
| 3. $z = 31$ | 4. $b = 20$ |
| 5. $y = 25$ | 6. $x = 24$ |
| 7. $y = 2$ | 8. $z = 10$ |

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Inverse Operations: \div (page 43)

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|--------|---------|
| 1. 42 | 11. 25 |
| 2. 48 | 12. 55 |
| 3. 48 | 13. 36 |
| 4. 45 | 14. 35 |
| 5. 20 | 15. 30 |
| 6. 120 | 16. 120 |
| 7. 27 | 17. 135 |
| 8. 75 | 18. 24 |
| 9. 6 | 19. 165 |
| 10. 88 | 20. 100 |

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Inverse Operations: $-$ (page 41)

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|---------------|----------------------------|
| 1. $x = 16$ | 11. $x = 4$ |
| 2. $a = 30$ | 12. $c = 4$ |
| 3. $y = 25$ | 13. $a = 72$ |
| 4. $z = 95$ | 14. $x = 74$ |
| 5. $x = 85$ | 15. $x = 10 \frac{3}{8}$ |
| 6. $a = 145$ | 16. $c = 109$ |
| 7. $x = 115$ | 17. $y = 14$ |
| 8. $a = 33$ | 18. $b = 16 \frac{11}{12}$ |
| 9. $y = 22$ | 19. $c = 855$ |
| 10. $b = 6.4$ | 20. $b = 138$ |

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Reciprocals (page 106)

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|---------------------|-------------------|
| 1. 66 | 2. $\frac{1}{48}$ |
| 3. 160 | 4. 45 |
| 5. $\frac{1}{84}$ | 6. 48 |
| 7. $\frac{1}{13.5}$ | 8. 15 |
| 9. $1 \frac{7}{8}$ | 10. 8 |
| 11. 1 | 12. 8 |

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