

Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $18 + 32 = \underline{\quad} + 3$

2) $26 + 11 = 27 + \underline{\quad}$

3) $80 - 10 = \underline{\quad} + 36$

4) $\underline{\quad} + 13 + 33 = 15 + 44$

5) $\underline{\quad} - 33 = 10 + 4 + 21$

6) $121 - \underline{\quad} = 49 + 10 + 26$

7) $61 - 11 = \underline{\quad} + 13$

8) $66 - 27 = \underline{\quad} - 37$

9) $\underline{\quad} + 3 = 71 - 44$

10) $45 + 16 + 17 = \underline{\quad} + 36$

11) $52 - 8 = \underline{\quad} - 29$

12) $48 - 12 = 46 - \underline{\quad}$

13) $14 + 15 = \underline{\quad} + 17$

14) $93 - 45 = 2 + \underline{\quad} + 35$

Answers

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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $\frac{18}{50} + 32 = \underline{\underline{47}} + 3$

2) $26 + \underline{\underline{11}} = 27 + \underline{\underline{10}}$

3) $\frac{80}{70} - 10 = \underline{\underline{34}} + 36$

4) $\underline{\underline{13}} + 13 + 33 = 15 + \underline{\underline{44}}$

5) $\frac{68}{35} - 33 = 10 + \underline{\underline{4}} + 21$

6) $121 - \frac{36}{85} = 49 + 10 + 26$

7) $\frac{61}{50} - 11 = \underline{\underline{37}} + 13$

8) $66 - \frac{27}{39} = \underline{\underline{76}} - 37$

9) $\frac{24}{27} + 3 = 71 - \underline{\underline{44}}$

10) $45 + \frac{16+17}{78} = \underline{\underline{42}} + 36$

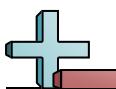
11) $\frac{52}{44} - 8 = \underline{\underline{73}} - 29$

12) $48 - \frac{12}{36} = 46 - \underline{\underline{10}}$

13) $14 + \frac{15}{29} = \underline{\underline{12}} + 17$

14) $93 - \frac{45}{48} = 2 + \underline{\underline{11}} + 35$

Answers1. **47**2. **10**3. **34**4. **13**5. **68**6. **36**7. **37**8. **76**9. **24**10. **42**11. **73**12. **10**13. **12**14. **11**



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $\underline{\quad} + 31 = 32 + 15$

2) $8 + 30 + 45 = \underline{\quad} - 3$

3) $19 + 50 + 42 = 113 - \underline{\quad}$

4) $34 + 25 + 5 = \underline{\quad} + 33$

5) $\underline{\quad} - 16 = 47 - 24$

6) $\underline{\quad} - 3 = 18 + 39$

7) $17 + 50 + \underline{\quad} = 108 - 17$

8) $45 + 43 + 26 = \underline{\quad} + 41$

9) $41 + 15 + \underline{\quad} = 50 + 15$

10) $\underline{\quad} + 32 = 16 + 28$

11) $11 + 15 = 51 - \underline{\quad}$

12) $47 + 37 = 115 - \underline{\quad}$

13) $38 - 22 = 26 - \underline{\quad}$

14) $\underline{\quad} - 14 = 63 - 35$

Answers

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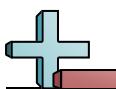
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $\frac{16}{47} + 31 = 32 + 15$

2) $8 + \underline{30} + 45 = \underline{86} - 3$

3) $19 + 50 + 42 = 113 - \underline{2}$

4) $34 + 25 + 5 = \underline{31} + 33$

5) $\frac{39}{23} - 16 = 47 - 24$

6) $\frac{60}{57} - 3 = 18 + 39$

7) $17 + 50 + \underline{24} = 108 - 17$

8) $45 + 43 + 26 = \underline{73} + 41$

9) $41 + 15 + \underline{9} = 50 + 15$

10) $\frac{12}{44} + 32 = 16 + 28$

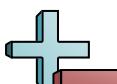
11) $11 + 15 = 51 - \underline{25}$

12) $47 + 37 = 115 - \underline{31}$

13) $38 - 22 = 26 - \underline{10}$

14) $\frac{42}{28} - 14 = 63 - 35$

Answers1. **16**2. **86**3. **2**4. **31**5. **39**6. **60**7. **24**8. **73**9. **9**10. **12**11. **25**12. **31**13. **10**14. **42**



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $\underline{\quad} + 40 + 48 = 163 - 36$

2) $60 - 2 = \underline{\quad} + 47$

3) $10 + 25 + 41 = 124 - \underline{\quad}$

4) $24 + 45 + 27 = 69 + \underline{\quad}$

5) $\underline{\quad} - 24 = 40 - 18$

6) $33 + 4 = \underline{\quad} - 4$

7) $134 + 2 = \underline{\quad} + 41 + 47$

8) $42 + 4 = 29 + \underline{\quad}$

9) $\underline{\quad} + 32 + 33 = 44 + 48$

10) $35 + 47 + 49 = 158 - \underline{\quad}$

11) $\underline{\quad} + 34 = 130 - 50$

12) $62 - \underline{\quad} = 54 - 19$

13) $27 + \underline{\quad} = 36 + 18$

14) $\underline{\quad} - 5 = 76 - 27$

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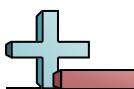
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $\frac{39}{127} + 40 + 48 = 163 - 36$
 $= 127$

2) $60 - \underline{2} = \frac{11}{58} + 47$
 $= 58$

3) $10 + 25 + 41 = 124 - \underline{48}$
 $= 76$

4) $24 + 45 + 27 = 69 + \underline{27}$
 $= 96$

5) $\frac{46}{22} - 24 = 40 - 18$
 $= 22$

6) $33 + 4 = \frac{41}{37} - 4$
 $= 37$

7) $134 + 2 = \underline{48} + 41 + 47$
 $= 136$

8) $42 + 4 = 29 + \underline{17}$
 $= 46$

9) $\frac{27}{92} + 32 + 33 = 44 + 48$
 $= 92$

10) $35 + 47 + 49 = 158 - \underline{27}$
 $= 131$

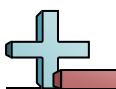
11) $\frac{46}{80} + 34 = 130 - 50$
 $= 80$

12) $62 - \underline{27} = 54 - 19$
 $= 35$

13) $27 + \underline{27} = 36 + 18$
 $= 54$

14) $\frac{54}{49} - 5 = 76 - 27$
 $= 49$

Answers1. 392. 113. 484. 275. 466. 417. 488. 179. 2710. 2711. 4612. 2713. 2714. 54



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $\underline{\quad} - 17 = 28 + 41$

2) $84 - \underline{\quad} = 41 + \underline{\quad}$

3) $\underline{\quad} - 5 = 44 - 23$

4) $14 + 47 = \underline{\quad} - 9$

5) $60 + 25 = \underline{\quad} + 20 + 49$

6) $27 - \underline{\quad} = 56 - 31$

7) $13 + 70 = 13 + \underline{\quad} + 31$

8) $134 - 26 = \underline{\quad} + 50 + 31$

9) $69 - 24 = 66 - \underline{\quad}$

10) $6 + 8 + \underline{\quad} = 82 - 23$

11) $37 + 43 + \underline{\quad} = 43 + 54$

12) $56 + 21 = \underline{\quad} + 38$

13) $31 + 51 = \underline{\quad} + 43$

14) $107 - 44 = 10 + 23 + \underline{\quad}$

Answers

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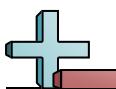
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $\frac{86}{69} - 17 = 28 + 41$

2) $84 - \underline{9} = 41 + \underline{34}$

3) $\frac{26}{21} - 5 = 44 - 23$

4) $14 + 47 = \frac{70}{61} - 9$

5) $60 + 25 = \frac{16}{85} + 20 + 49$

6) $27 - \frac{2}{25} = 56 - 31$

7) $13 + 70 = 13 + \frac{39}{83} + 31$

8) $134 - 26 = \frac{27}{108} + 50 + 31$

9) $69 - 24 = 66 - \frac{21}{45}$

10) $6 + 8 + \frac{45}{59} = 82 - 23$

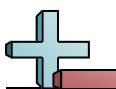
11) $37 + 43 + \frac{17}{97} = 43 + 54$

12) $56 + 21 = \frac{39}{77} + 38$

13) $31 + 51 = \frac{39}{82} + 43$

14) $107 - 44 = 10 + 23 + \underline{30}$

Answers1. 862. 343. 264. 705. 166. 27. 398. 279. 2110. 4511. 1712. 3913. 3914. 30



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $25 + 9 = \underline{\quad} + 18$

2) $\underline{\quad} + 14 = 39 + 4$

3) $20 + 27 + 45 = \underline{\quad} + 31$

4) $94 - 45 = 13 + \underline{\quad}$

5) $49 - 13 = \underline{\quad} - 37$

6) $24 - \underline{\quad} = 62 - 40$

7) $68 - 23 = 95 - \underline{\quad}$

8) $56 - 7 = \underline{\quad} + 37$

9) $11 + 6 = 38 - \underline{\quad}$

10) $111 - 27 = 47 + 23 + \underline{\quad}$

11) $36 + 29 + \underline{\quad} = 122 - 32$

12) $33 + 25 + \underline{\quad} = 50 + 23$

13) $19 + 47 + \underline{\quad} = 84 - 11$

14) $\underline{\quad} + 26 = 42 + 37$

Answers

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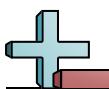
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $25 + 9 = \underline{16} + 18$
 $34 = \underline{34}$

2) $\underline{29} + 14 = 39 + 4$
 $43 = \underline{43}$

3) $20 + 27 + 45 = \underline{61} + 31$
 $92 = \underline{92}$

4) $94 - 45 = 13 + \underline{36}$
 $49 = \underline{49}$

5) $49 - 13 = \underline{73} - 37$
 $36 = \underline{36}$

6) $24 - \underline{2} = 62 - 40$
 $22 = \underline{22}$

7) $68 - 23 = 95 - \underline{50}$
 $45 = \underline{45}$

8) $56 - 7 = \underline{12} + 37$
 $49 = \underline{49}$

9) $11 + 6 = 38 - \underline{21}$
 $17 = \underline{17}$

10) $111 - 27 = 47 + 23 + \underline{14}$
 $84 = \underline{84}$

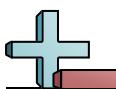
11) $36 + 29 + \underline{25} = 122 - 32$
 $90 = \underline{90}$

12) $33 + 25 + \underline{15} = 50 + 23$
 $73 = \underline{73}$

13) $19 + 47 + \underline{7} = 84 - 11$
 $73 = \underline{73}$

14) $\underline{53} + 26 = 42 + 37$
 $79 = \underline{79}$

Answers1. **16**2. **29**3. **61**4. **36**5. **73**6. **2**7. **50**8. **12**9. **21**10. **14**11. **25**12. **15**13. **7**14. **53**



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $11 + 35 = 27 + \underline{\quad}$

2) $105 - 23 = 49 + \underline{\quad}$

3) $37 - \underline{\quad} = 50 - 16$

4) $\underline{\quad} - 8 = 64 - 17$

5) $\underline{\quad} + 43 = 26 + 26$

6) $13 + \underline{\quad} = 6 + 6 + 24$

7) $22 + 82 = \underline{\quad} + 26 + 29$

8) $\underline{\quad} + 23 = 49 - 14$

9) $\underline{\quad} - 35 = 38 + 49 + 39$

10) $\underline{\quad} - 47 = 70 - 22$

11) $3 + 25 = \underline{\quad} + 14$

12) $138 - 50 = 50 + 12 + \underline{\quad}$

13) $11 + 17 + 12 = \underline{\quad} - 49$

14) $89 - 9 = 31 + \underline{\quad}$

Answers

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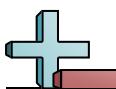
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $11 + 35 = 27 + \underline{19}$
 $46 = 46$

2) $105 - 23 = 49 + \underline{33}$
 $82 = 82$

3) $37 - \underline{3} = 50 - 16$
 $34 = 34$

4) $\underline{55} - 8 = 64 - 17$
 $47 = 47$

5) $\underline{9} + 43 = 26 + 26$
 $52 = 52$

6) $13 + \underline{23} = 6 + 6 + 24$
 $36 = 36$

7) $22 + 82 = \underline{49} + 26 + 29$
 $104 = 104$

8) $\underline{12} + 23 = 49 - 14$
 $35 = 35$

9) $\underline{161} - 35 = 38 + 49 + 39$
 $126 = 126$

10) $\underline{95} - 47 = 70 - 22$
 $48 = 48$

11) $3 + 25 = \underline{14} + 14$
 $28 = 28$

12) $138 - 50 = 50 + 12 + \underline{26}$
 $88 = 88$

13) $11 + 17 + 12 = \underline{89} - 49$
 $40 = 40$

14) $89 - 9 = 31 + \underline{49}$
 $80 = 80$

Answers1. 192. 333. 34. 555. 96. 237. 498. 129. 16110. 9511. 1412. 2613. 8914. 49



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $46 + 41 = \underline{\quad} + 39$

2) $\underline{\quad} - 17 = 65 - 37$

3) $\underline{\quad} + 18 + 29 = 13 + 84$

4) $74 - 38 = \underline{\quad} + 7$

5) $\underline{\quad} - 41 = 6 + 49 + 31$

6) $50 + 26 = \underline{\quad} - 48$

7) $\underline{\quad} - 9 = 61 - 35$

8) $23 + \underline{\quad} + 43 = 121 - 47$

9) $26 + 22 = 17 + \underline{\quad}$

10) $\underline{\quad} - 40 = 65 - 15$

11) $21 + \underline{\quad} = 29 + 42$

12) $76 - 16 = 17 + \underline{\quad}$

13) $42 + 18 + 30 = \underline{\quad} + 32$

14) $124 - 28 = \underline{\quad} + 31 + 18$

Answers

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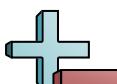
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Determine the number that will correctly balance each equation.

1) $46 + 41 = \underline{48} + 39$
 $87 = \underline{87}$

2) $\underline{45} - 17 = 65 - 37$
 $28 = \underline{28}$

3) $\underline{50} + 18 + 29 = 13 + 84$
 $97 = \underline{97}$

4) $74 - 38 = \underline{29} + 7$
 $36 = \underline{36}$

5) $\underline{127} - 41 = 6 + 49 + 31$
 $86 = \underline{86}$

6) $50 + 26 = \underline{124} - 48$
 $76 = \underline{76}$

7) $\underline{35} - 9 = 61 - 35$
 $26 = \underline{26}$

8) $23 + \underline{8} + 43 = 121 - 47$
 $74 = \underline{74}$

9) $26 + 22 = 17 + \underline{31}$
 $48 = \underline{48}$

10) $\underline{90} - 40 = 65 - 15$
 $50 = \underline{50}$

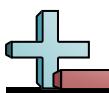
11) $21 + \underline{50} = 29 + 42$
 $71 = \underline{71}$

12) $76 - 16 = 17 + \underline{43}$
 $60 = \underline{60}$

13) $42 + 18 + 30 = \underline{58} + 32$
 $90 = \underline{90}$

14) $124 - 28 = \underline{47} + 31 + 18$
 $96 = \underline{96}$

Answers1. **48**2. **45**3. **50**4. **29**5. **127**6. **124**7. **35**8. **8**9. **31**10. **90**11. **50**12. **43**13. **58**14. **47**



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $33 - 13 = 15 + \underline{\quad}$

2) $\underline{\quad} + 12 + 13 = 42 - 4$

3) $21 + \underline{\quad} + 29 = 88 - 13$

4) $\underline{\quad} + 24 + 33 = 137 - 46$

5) $\underline{\quad} + 54 = 11 + 29 + 18$

6) $44 + 33 + 46 = 98 + \underline{\quad}$

7) $31 - 27 = \underline{\quad} - 18$

8) $34 + 14 = \underline{\quad} + 46$

9) $94 - \underline{\quad} = 20 + 45$

10) $90 - 46 = \underline{\quad} - 15$

11) $19 + 3 = 2 + \underline{\quad}$

12) $48 + 1 = \underline{\quad} + 8$

13) $45 - 36 = \underline{\quad} - 34$

14) $20 + 70 = \underline{\quad} + 44 + 34$

Answers

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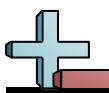
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $33 - 13 = 15 + \underline{5}$
 $20 = 20$

2) $\underline{13} + 12 + 13 = 42 - 4$
 $38 = 38$

3) $21 + \underline{25} + 29 = 88 - 13$
 $75 = 75$

4) $\underline{34} + 24 + 33 = 137 - 46$
 $91 = 91$

5) $\underline{4} + 54 = 11 + 29 + 18$
 $58 = 58$

6) $44 + 33 + 46 = 98 + \underline{25}$
 $123 = 123$

7) $31 - 27 = \underline{22} - 18$
 $4 = 4$

8) $34 + 14 = \underline{2} + 46$
 $48 = 48$

9) $94 - \underline{29} = 20 + 45$
 $65 = 65$

10) $90 - 46 = \underline{59} - 15$
 $44 = 44$

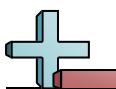
11) $19 + 3 = 2 + \underline{20}$
 $22 = 22$

12) $48 + 1 = \underline{41} + 8$
 $49 = 49$

13) $45 - 36 = \underline{43} - 34$
 $9 = 9$

14) $20 + 70 = \underline{12} + 44 + 34$
 $90 = 90$

Answers1. 52. 133. 254. 345. 46. 257. 228. 29. 2910. 5911. 2012. 4113. 4314. 12



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $53 - \underline{\quad} = 62 - 41$

2) $75 - 30 = \underline{\quad} - 46$

3) $40 + 39 + 8 = 118 - \underline{\quad}$

4) $18 + 33 = \underline{\quad} + 44$

5) $38 + 35 + 32 = \underline{\quad} - 36$

6) $\underline{\quad} + 27 + 38 = 1 + 100$

7) $16 + 33 = 60 - \underline{\quad}$

8) $30 + 27 + 28 = 33 + \underline{\quad}$

9) $32 - \underline{\quad} = 30 - 11$

10) $37 + \underline{\quad} = 63 + 3$

11) $3 + 73 = 30 + \underline{\quad} + 12$

12) $17 + 22 = 64 - \underline{\quad}$

13) $58 - 25 = \underline{\quad} + 4 + 23$

14) $72 - 33 = 2 + \underline{\quad}$

Answers

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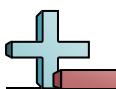
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Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $53 - \underline{32} = 62 - 41$
 $21 = 21$

2) $75 - 30 = \underline{91} - 46$
 $45 = 45$

3) $40 + 39 + 8 = 118 - \underline{31}$
 $87 = 87$

4) $18 + 33 = \underline{7} + 44$
 $51 = 51$

5) $38 + 35 + 32 = \underline{141} - 36$
 $105 = 105$

6) $\underline{36} + 27 + 38 = 1 + \underline{100}$
 $101 = 101$

7) $16 + 33 = 60 - \underline{11}$
 $49 = 49$

8) $30 + 27 + 28 = 33 + \underline{52}$
 $85 = 85$

9) $32 - \underline{13} = 30 - 11$
 $19 = 19$

10) $37 + \underline{29} = 63 + 3$
 $66 = 66$

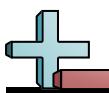
11) $3 + 73 = 30 + \underline{34} + 12$
 $76 = 76$

12) $17 + 22 = 64 - \underline{25}$
 $39 = 39$

13) $58 - 25 = \underline{6} + 4 + 23$
 $33 = 33$

14) $72 - 33 = 2 + \underline{37}$
 $39 = 39$

Answers1. **32**2. **91**3. **31**4. **7**5. **141**6. **36**7. **11**8. **52**9. **13**10. **29**11. **34**12. **25**13. **6**14. **37**



Balancing Equations

Name: _____

Determine the number that will correctly balance each equation.

1) $32 + 3 = 29 + \underline{\quad}$

2) $30 + 45 + 47 = \underline{\quad} - 47$

3) $48 - \underline{\quad} = 67 - 40$

4) $128 - 27 = 17 + 34 + \underline{\quad}$

5) $98 - 25 = \underline{\quad} + 42$

6) $4 + \underline{\quad} = 13 + 27$

7) $10 + 25 + \underline{\quad} = 117 - 36$

8) $\underline{\quad} - 8 = 45 - 34$

9) $42 - \underline{\quad} = 33 - 25$

10) $58 + 9 = \underline{\quad} + 26 + 34$

11) $\underline{\quad} - 44 = 4 + 4$

12) $13 + 9 = 4 + \underline{\quad}$

13) $9 + 38 + \underline{\quad} = 60 + 1$

14) $41 + \underline{\quad} + 36 = 66 + 30$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

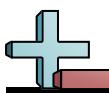
10. _____

11. _____

12. _____

13. _____

14. _____



Balancing Equations

Name: **Answer Key**

Determine the number that will correctly balance each equation.

1) $32 + 3 = 29 + \underline{6}$
 $35 = 35$

2) $30 + 45 + 47 = \underline{169} - 47$
 $122 = 122$

3) $48 - \underline{21} = 67 - 40$
 $27 = 27$

4) $128 - 27 = 17 + 34 + \underline{50}$
 $101 = 101$

5) $98 - 25 = \underline{31} + 42$
 $73 = 73$

6) $4 + \underline{36} = 13 + 27$
 $40 = 40$

7) $10 + 25 + \underline{46} = 117 - 36$
 $81 = 81$

8) $\underline{19} - 8 = 45 - 34$
 $11 = 11$

9) $42 - \underline{34} = 33 - 25$
 $8 = 8$

10) $58 + 9 = \underline{7} + 26 + 34$
 $67 = 67$

11) $\underline{52} - 44 = 4 + 4$
 $8 = 8$

12) $13 + 9 = 4 + \underline{18}$
 $22 = 22$

13) $9 + 38 + \underline{14} = 60 + 1$
 $61 = 61$

14) $41 + \underline{19} + 36 = 66 + 30$
 $96 = 96$

Answers1. **6**2. **169**3. **21**4. **50**5. **31**6. **36**7. **46**8. **19**9. **34**10. **7**11. **52**12. **18**13. **14**14. **19**