

# **ADDITION - LEVEL 1 ANSWERS**

PAGE 2		PAGE 7		PAGE 12	
1.	6	1.	6	2.	6
2.	11	3.	6	4.	6
3.	21	5.	6	6.	5
		7.	4	8.	7
PAGE 3		9.	4	10.	8
1.	19	11.	6	12.	8
2.	18	13.	7	14.	6
3.	20	15.	4	16.	4
		17.	7	18.	7
PAGE 5		PAGE 9		PAGE 13	
1.	7	2.	4	3.	8
3.	9	4.	8	2.	9
5.	6	6.	3	3.	12
7.	8	8.	7	4.	11
9.	8	10.	10	5.	6
		7.	12	8.	13
		9.	8	10.	12
PAGE 6		11.	6	12.	11
1.	4	2.	7	13.	6
3.	8	4.	6	14.	7
5.	10	6.	6	15.	8
7.	8	8.	4	PAGE 10	
9.	3	10.	7	1.	7
11.	10	12.	8	2.	7
13.	9	14.	5	3.	9
15.	5	16.	6	4.	8
17.	2	18.	8	5.	7
		7.	11	8.	5
		9.	7	10.	8
		11.	10	12.	7
		13.	10	14.	7
		15.	7	16.	9

## *ADDITION - LEVEL 1 ANSWERS CONTINUED*

## *ADDITION - LEVEL 1 ANSWERS CONTINUED*

PAGE 27		PAGE 32		PAGE 37	
1.	13	2.	12	1.	9
				2.	6
PAGE 28		3.	11	3.	97
		5.	7	5.	76
		7.	16	6.	14
1.	10	8.	13	7.	65
2.	13	9.	11	9.	79
4.	18	11.	12	10.	14
6.	9	13.	37	11.	68
		14.	80	12.	99
		15.	67	PAGE 41	
PAGE 29		17.	36	18.	42
1.	56	19.	70	2.	84
3.	38	21.	34	3.	60
5.	88	22.	45	PAGE 42	
7.	77	8.	57	1.	41
		PAGE 34		2.	96
		1.	59	3.	86
PAGE 30		2.	95	4.	94
1.	46	3.	78	5.	75
3.	34	4.	66	6.	42
5.	11	6.	16	7.	80
7.	13	8.	11	8.	93
		5.	47	9.	81
		PAGE 35		10.	98
		1.	56	11.	60
		2.	45	12.	94
		3.	89	PAGE 36	
		4.	99	1.	54
		5.	76	2.	88
		7.	47	3.	66
		8.	83	5.	86
				6.	58
				7.	97
				8.	62
				PAGE 43	
				1.	74
				3.	60
				5.	86
				2.	93
				4.	84
				6.	73

## ***ADDITION - LEVEL 1 ANSWERS CONTINUED***

### **PAGE 44**

- |     |    |     |    |
|-----|----|-----|----|
| 1.  | 91 | 2.  | 71 |
| 3.  | 50 | 4.  | 80 |
| 5.  | 96 | 6.  | 43 |
| 7.  | 60 | 8.  | 94 |
| 9.  | 51 | 10. | 41 |
| 11. | 93 | 12. | 72 |

### **PAGE 46**

- |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 1.  | 135 | 2.  | 155 | 3.  | 148 |
| 4.  | 119 | 5.  | 107 | 6.  | 118 |
| 7.  | 167 | 8.  | 149 | 9.  | 183 |
| 10. | 117 | 11. | 109 | 12. | 154 |

### **PAGE 47**

- |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 1.  | 104 | 2.  | 137 | 3.  | 163 |
| 4.  | 148 | 5.  | 107 | 6.  | 169 |
| 7.  | 189 | 8.  | 156 | 9.  | 136 |
| 10. | 127 | 11. | 119 | 12. | 134 |

### **PAGE 48**

- |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 1.  | 137 | 2.  | 161 | 3.  | 130 |
| 4.  | 143 | 5.  | 169 | 6.  | 119 |
| 7.  | 146 | 8.  | 139 | 9.  | 177 |
| 10. | 158 | 11. | 166 | 12. | 108 |
| 13. | 127 | 14. | 115 | 15. | 134 |

### **PRACTICE TEST PAGE 50**

- |     |    |     |     |     |    |
|-----|----|-----|-----|-----|----|
| 1.  | 9  | 2.  | 10  |     |    |
| 3.  | 13 | 4.  | 12  |     |    |
| 5.  | 9  | 6.  | 15  |     |    |
| 7.  | 12 | 8.  | 16  |     |    |
| 9.  | 10 | 10. | 16  |     |    |
| 11. | 10 | 12. | 12  |     |    |
| 13. | 69 | 14. | 31  |     |    |
| 15. | 88 | 16. | 41  |     |    |
| 17. | 96 | 18. | 75  |     |    |
| 19. | 95 | 20. | 177 | 21. | 90 |

### **FINAL TEST PAGE 51**

- |     |     |     |    |     |     |
|-----|-----|-----|----|-----|-----|
| 1.  | 13  | 2.  | 15 |     |     |
| 3.  | 8   | 4.  | 11 |     |     |
| 5.  | 5   | 6.  | 18 |     |     |
| 7.  | 11  | 8.  | 11 |     |     |
| 9.  | 14  | 10. | 13 |     |     |
| 11. | 16  | 12. | 12 |     |     |
| 13. | 42  | 14. | 57 |     |     |
| 15. | 73  | 16. | 52 |     |     |
| 17. | 84  | 18. | 87 |     |     |
| 19. | 89  | 20. | 67 |     |     |
| 21. | 136 | 22. | 73 | 23. | 127 |
| 24. | 179 | 25. | 80 | 26. | 95  |

## *ADDITION - LEVEL 1 ANSWERS CONTINUED*

### X-PRACTICE A PAGE 52

- |     |    |     |    |
|-----|----|-----|----|
| 1.  | 8  | 2.  | 14 |
| 3.  | 12 | 4.  | 3  |
| 5.  | 3  | 6.  | 7  |
| 7.  | 8  | 8.  | 13 |
| 9.  | 9  | 10. | 16 |
| 11. | 10 | 12. | 8  |
| 13. | 14 | 14. | 13 |

### X-PRACTICE B PAGE 52

- |     |    |     |    |
|-----|----|-----|----|
| 1.  | 9  | 2.  | 12 |
| 3.  | 11 | 4.  | 15 |
| 5.  | 18 | 6.  | 15 |
| 7.  | 15 | 8.  | 14 |
| 9.  | 17 | 10. | 15 |
| 11. | 15 | 12. | 14 |
| 13. | 12 | 14. | 18 |

### X-PRACTICE C PAGE 53

- |    |    |    |    |
|----|----|----|----|
| 1. | 62 | 2. | 51 |
| 3. | 41 | 4. | 32 |
| 5. | 72 | 6. | 54 |

### X-PRACTICE D PAGE 53

- |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|
| 1. | 79  | 2. | 86  | 3. | 86  |
| 4. | 96  | 5. | 78  | 6. | 80  |
| 7. | 155 | 8. | 183 | 9. | 135 |

# ANSWERS PAGE 25

PATTERN #1

$$\begin{aligned}
 17 + 4 &= \underline{\underline{21}} \\
 5 + 7 &= \underline{\underline{12}} \\
 14 + 6 &= \underline{\underline{20}} \\
 4 + 2 &= \underline{\underline{6}} \\
 9 + 23 &= \underline{\underline{32}} \\
 3 + 20 &= \underline{\underline{23}} \\
 28 + 8 &= \underline{\underline{36}} \\
 24 + 1 &= \underline{\underline{25}} \\
 13 + 5 &= \underline{\underline{18}} \\
 7 + 4 &= \underline{\underline{11}} \\
 9 + 71 &= \underline{\underline{80}} \\
 27 + 3 &= \underline{\underline{30}} \\
 5 + 30 &= \underline{\underline{35}} \\
 24 + 0 &= \underline{\underline{24}} \\
 17 + 10 &= \underline{\underline{27}}
 \end{aligned}$$

PATTERN #2

$$\begin{aligned}
 3 + 2 &= \underline{\underline{5}} \\
 10 + 5 &= \underline{\underline{15}} \\
 6 + 7 &= \underline{\underline{13}} \\
 23 + 10 &= \underline{\underline{33}} \\
 9 + 8 &= \underline{\underline{17}} \\
 1 + 3 &= \underline{\underline{4}} \\
 63 + 4 &= \underline{\underline{67}} \\
 9 + 13 &= \underline{\underline{22}} \\
 6 + 41 &= \underline{\underline{47}} \\
 42 + 7 &= \underline{\underline{49}} \\
 2 + 8 &= \underline{\underline{10}} \\
 10 + 28 &= \underline{\underline{38}} \\
 2 + 42 &= \underline{\underline{44}} \\
 25 + 6 &= \underline{\underline{31}} \\
 5 + 4 &= \underline{\underline{9}}
 \end{aligned}$$

PATTERN #3

$$\begin{aligned}
 2 + 10 &= \underline{\underline{12}} \\
 6 + 31 &= \underline{\underline{37}} \\
 4 + 38 &= \underline{\underline{42}} \\
 5 + 2 &= \underline{\underline{7}} \\
 7 + 19 &= \underline{\underline{26}} \\
 45 + 6 &= \underline{\underline{51}} \\
 15 + 4 &= \underline{\underline{19}} \\
 9 + 19 &= \underline{\underline{28}} \\
 12 + 6 &= \underline{\underline{18}} \\
 59 + 3 &= \underline{\underline{62}} \\
 32 + 7 &= \underline{\underline{39}} \\
 8 + 32 &= \underline{\underline{40}} \\
 7 + 70 &= \underline{\underline{77}} \\
 3 + 0 &= \underline{\underline{3}} \\
 49 + 10 &= \underline{\underline{59}}
 \end{aligned}$$

PATTERN #4

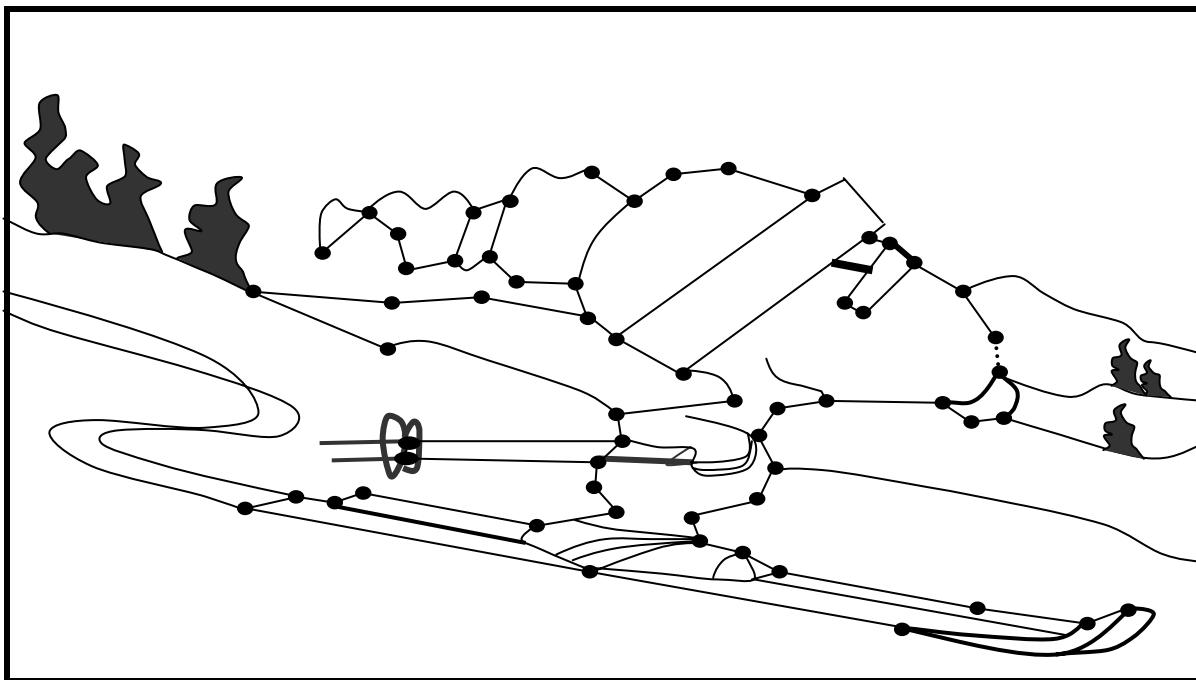
$$\begin{aligned}
 11 + 3 &= \underline{\underline{14}} \\
 38 + 7 &= \underline{\underline{45}} \\
 6 + 67 &= \underline{\underline{73}} \\
 1 + 1 &= \underline{\underline{2}} \\
 9 + 25 &= \underline{\underline{34}} \\
 7 + 43 &= \underline{\underline{50}} \\
 37 + 6 &= \underline{\underline{43}} \\
 9 + 47 &= \underline{\underline{56}} \\
 5 + 3 &= \underline{\underline{8}} \\
 24 + 5 &= \underline{\underline{29}} \\
 47 + 1 &= \underline{\underline{48}} \\
 4 + 12 &= \underline{\underline{16}} \\
 7 + 34 &= \underline{\underline{41}} \\
 49 + 3 &= \underline{\underline{52}} \\
 8 + 52 &= \underline{\underline{60}}
 \end{aligned}$$

LINE ENDS

LINE ENDS

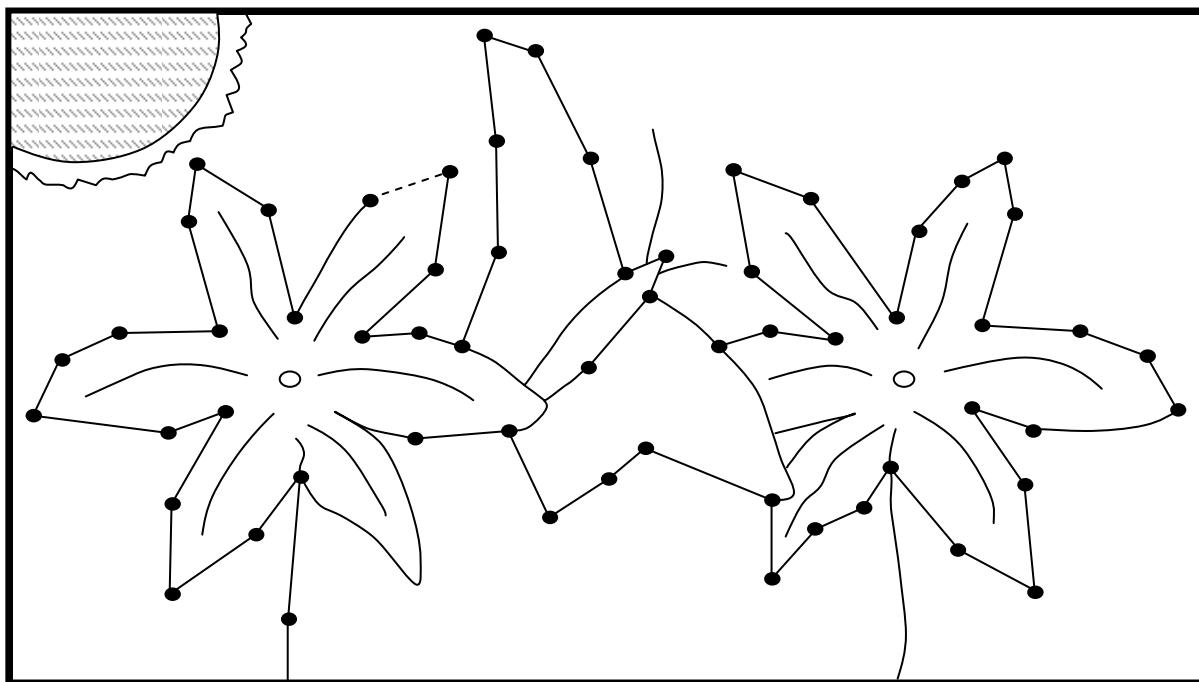
LINE ENDS

LINE ENDS



# ANSWERS PAGE 26

PATTERN #1	PATTERN #2	PATTERN #3	PATTERN #4
54 + 7 = <u>61</u>	2 + 32 = <u>34</u>	29 + 2 = <u>31</u>	45 + 5 = <u>50</u>
1 + 1 = <u>2</u>	51 + 4 = <u>55</u>	5 + 10 = <u>15</u>	6 + 22 = <u>28</u>
8 + 17 = <u>25</u>	9 + 5 = <u>14</u>	9 + 24 = <u>33</u>	9 + 43 = <u>52</u>
7 + 42 = <u>49</u>	33 + 9 = <u>42</u>	14 + 8 = <u>22</u>	8 + 8 = <u>16</u>
1 + 5 = <u>6</u>	8 + 21 = <u>29</u>	52 + 2 = <u>54</u>	7 + 29 = <u>36</u>
12 + 8 = <u>20</u>	1 + 2 = <u>3</u>	2 + 3 = <u>5</u>	41 + 10 = <u>51</u>
3 + 5 = <u>8</u>	38 + 9 = <u>47</u>	32 + 6 = <u>38</u>	37 + 3 = <u>40</u>
8 + 11 = <u>19</u>	33 + 4 = <u>37</u>	7 + 5 = <u>12</u>	49 + 4 = <u>53</u>
6 + 20 = <u>26</u>	9 + 1 = <u>10</u>	54 + 4 = <u>58</u>	18 + 3 = <u>21</u>
8 + 3 = <u>11</u>	10 + 20 = <u>30</u>	4 + 0 = <u>4</u>	7 + 49 = <u>56</u>
50 + 9 = <u>59</u>	8 + 24 = <u>32</u>	11 + 7 = <u>18</u>	5 + 8 = <u>13</u>
0 + 17 = <u>17</u>	0 + 7 = <u>7</u>	7 + 17 = <u>24</u>	4 + 44 = <u>48</u>
7 + 39 = <u>46</u>	38 + 6 = <u>44</u>	35 + 8 = <u>43</u>	51 + 9 = <u>60</u>
27 + 8 = <u>35</u>	2 + 55 = <u>57</u>	2 + 7 = <u>9</u>	3 + 42 = <u>45</u>
6 + 17 = <u>23</u>	5 + 34 = <u>39</u>	4 + 37 = <u>41</u>	27 + 0 = <u>27</u>
LINE ENDS	LINE ENDS	LINE ENDS	LINE ENDS



# ANSWERS PAGE 31

PATTERN #1

$$\begin{array}{rcl}
 1 + 0 = \underline{1} & 20 + 5 = \underline{25} & 8 + 50 = \underline{58} \\
 11 + 4 = \underline{15} & 9 + 48 = \underline{57} & 3 + 3 = \underline{6} \\
 7 + 36 = \underline{43} & 7 + 10 = \underline{19} & 20 + 10 = \underline{30} \\
 40 + 8 = \underline{48} & 4 + 26 = \underline{26} & 13 + 6 = \underline{19} \\
 1 + 2 = \underline{3} & 9 + 33 = \underline{42} & 5 + 17 = \underline{22} \\
 6 + 4 = \underline{10} & 3 + 6 = \underline{9} & 12 + 5 = \underline{17} \\
 26 + 10 = \underline{36} & 30 + 1 = \underline{31} & \text{LINE ENDS}
 \end{array}$$

PATTERN #2

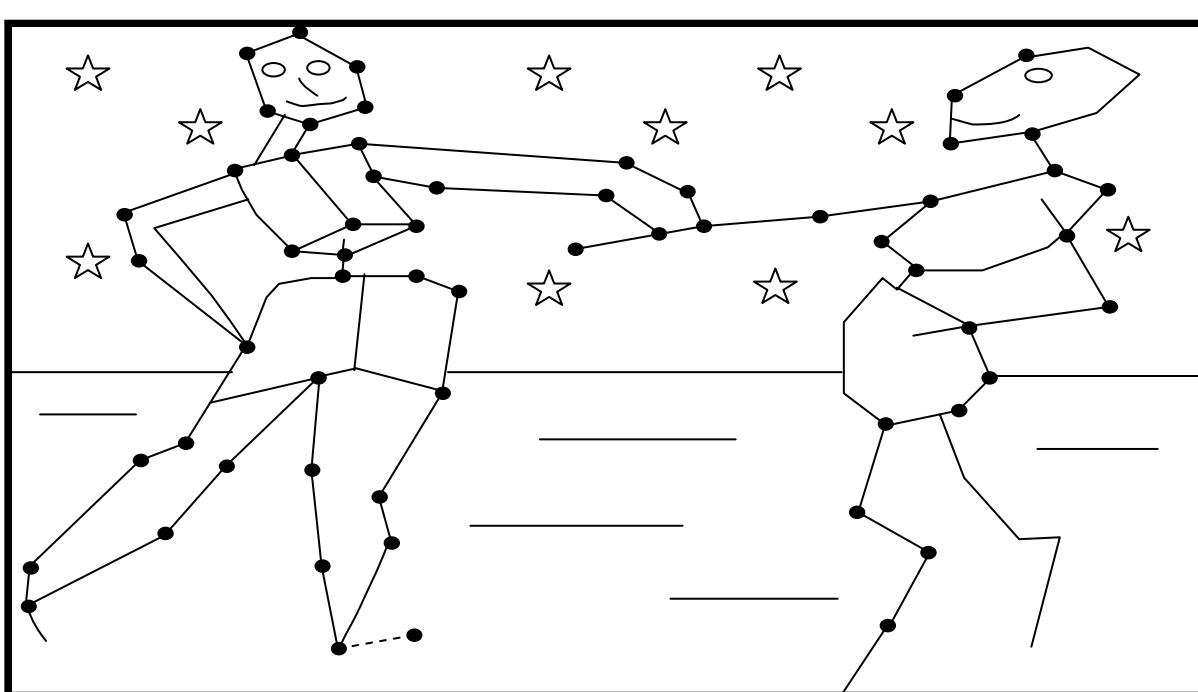
$$\begin{array}{rcl}
 13 + 8 = \underline{21} & 44 + 0 = \underline{44} & 9 + 9 = \underline{18} \\
 5 + 42 = \underline{47} & 9 + 24 = \underline{33} & 3 + 4 = \underline{7} \\
 7 + 52 = \underline{59} & 30 + 7 = \underline{37} & 4 + 10 = \underline{14} \\
 0 + 26 = \underline{26} & 20 + 9 = \underline{29} & 9 + 33 = \underline{42} \\
 9 + 33 = \underline{42} & 5 + 33 = \underline{38} & 3 + 6 = \underline{9} \\
 12 + 5 = \underline{17} & 4 + 7 = \underline{11} & 22 + 2 = \underline{24} \\
 30 + 1 = \underline{31} & 22 + 2 = \underline{24} & \text{LINE ENDS}
 \end{array}$$

PATTERN #3

$$\begin{array}{rcl}
 2 + 11 = \underline{13} & 33 + 7 = \underline{40} & 10 + 22 = \underline{32} \\
 3 + 5 = \underline{8} & 48 + 6 = \underline{54} & 13 + 7 = \underline{20} \\
 9 + 46 = \underline{55} & 8 + 43 = \underline{51} & 43 + 3 = \underline{46} \\
 2 + 2 = \underline{4} & 20 + 9 = \underline{29} & 19 + 8 = \underline{27} \\
 4 + 1 = \underline{2} & 1 + 1 = \underline{2} & 33 + 2 = \underline{35} \\
 29 + 5 = \underline{34} & 7 + 9 = \underline{16} & 8 + 41 = \underline{49} \\
 7 + 9 = \underline{16} & \text{LINE ENDS} & 10 + 11 = \underline{21} \\
 \end{array}$$

PATTERN #4

$$\begin{array}{rcl}
 22 + 6 = \underline{28} & 45 + 0 = \underline{45} & 8 + 15 = \underline{23} \\
 5 + 34 = \underline{39} & 49 + 7 = \underline{56} & 2 + 3 = \underline{5} \\
 8 + 41 = \underline{49} & 32 + 9 = \underline{41} & 10 + 11 = \underline{21} \\
 4 + 48 = \underline{52} & 1 + 1 = \underline{2} & 29 + 5 = \underline{34} \\
 32 + 9 = \underline{41} & 2 + 1 = \underline{2} & 7 + 9 = \underline{16} \\
 10 + 11 = \underline{21} & \text{LINE ENDS} & \text{LINE ENDS}
 \end{array}$$



# ANSWERS PAGE 38

PATTERN #1

$$\begin{array}{rcl}
 1 + 9 & = & 10 \\
 48 + 3 & = & 51 \\
 5 + 12 & = & 17 \\
 37 + 4 & = & 41 \\
 12 + 13 & = & 25 \\
 1 + 2 & = & 3 \\
 31 + 27 & = & 58 \\
 24 + 13 & = & 37 \\
 12 + 9 & = & 21 \\
 22 + 32 & = & 54 \\
 45 + 4 & = & 49 \\
 2 + 2 & = & 4 \\
 23 + 7 & = & 30 \\
 21 + 21 & = & 42 \\
 3 + 8 & = & 11
 \end{array}$$

PATTERN #2

$$\begin{array}{rcl}
 16 + 12 & = & 28 \\
 3 + 2 & = & 5 \\
 11 + 23 & = & 34 \\
 2 + 10 & = & 12 \\
 23 + 32 & = & 55 \\
 14 + 6 & = & 20 \\
 5 + 4 & = & 9 \\
 14 + 24 & = & 38 \\
 9 + 23 & = & 32 \\
 31 + 14 & = & 45 \\
 11 + 13 & = & 24 \\
 32 + 24 & = & 56 \\
 1 + 0 & = & 1 \\
 43 + 7 & = & 50 \\
 10 + 8 & = & 18
 \end{array}$$

PATTERN #3

$$\begin{array}{rcl}
 0 + 13 & = & 13 \\
 12 + 14 & = & 26 \\
 22 + 21 & = & 43 \\
 7 + 1 & = & 8 \\
 31 + 15 & = & 46 \\
 13 + 9 & = & 22 \\
 25 + 14 & = & 39 \\
 0 + 0 & = & 0 \\
 22 + 31 & = & 53 \\
 11 + 20 & = & 31 \\
 5 + 11 & = & 16 \\
 32 + 16 & = & 48 \\
 12 + 23 & = & 35 \\
 5 + 2 & = & 7 \\
 20 + 20 & = & 40
 \end{array}$$

PATTERN #4

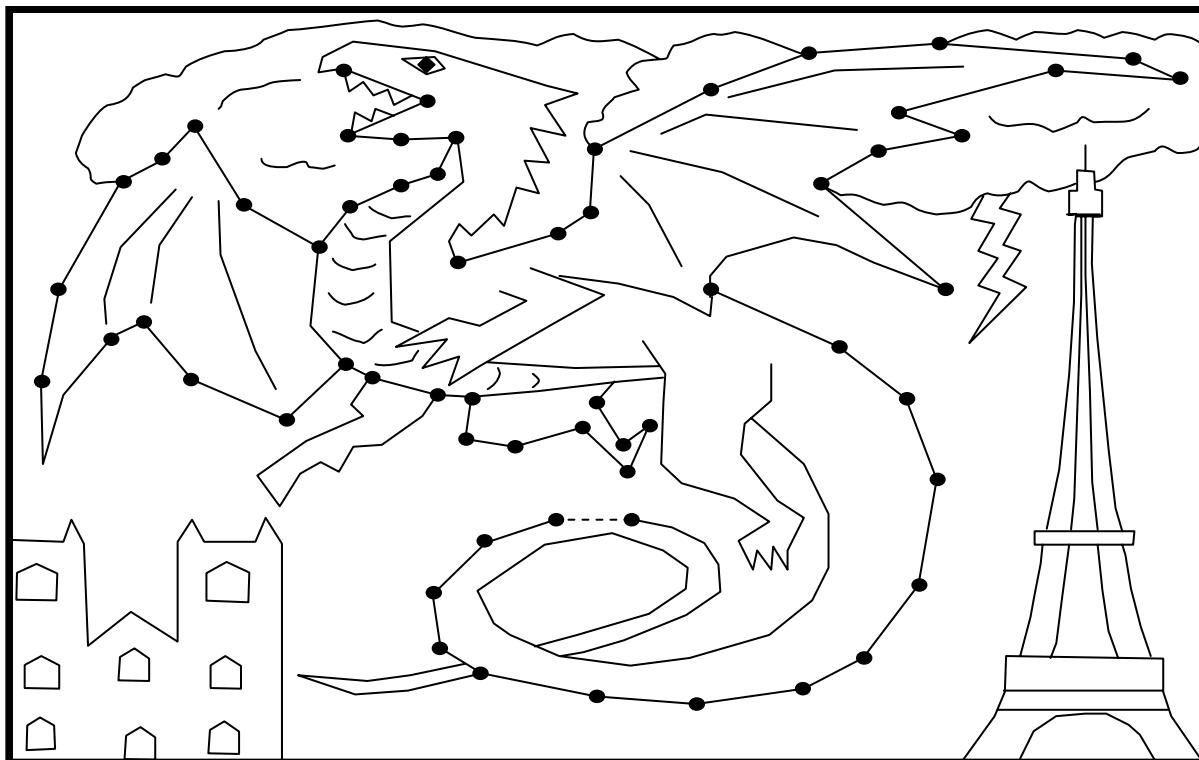
$$\begin{array}{rcl}
 5 + 18 & = & 23 \\
 12 + 7 & = & 19 \\
 32 + 20 & = & 52 \\
 8 + 6 & = & 14 \\
 0 + 47 & = & 47 \\
 33 + 26 & = & 59 \\
 4 + 2 & = & 6 \\
 31 + 13 & = & 44 \\
 12 + 17 & = & 29 \\
 21 + 12 & = & 33 \\
 10 + 5 & = & 15 \\
 22 + 35 & = & 57 \\
 11 + 16 & = & 27 \\
 1 + 1 & = & 2 \\
 23 + 13 & = & 36
 \end{array}$$

LINE ENDS

LINE ENDS

LINE ENDS

LINE ENDS



# ANSWERS PAGE 49

PATTERN #1

$$\begin{aligned}
 9 + 11 &= \underline{\underline{20}} \\
 3 + 4 &= \underline{\underline{7}} \\
 13 + 8 &= \underline{\underline{21}} \\
 2 + 4 &= \underline{\underline{6}} \\
 13 + 2 &= \underline{\underline{15}} \\
 10 + 13 &= \underline{\underline{23}} \\
 8 + 4 &= \underline{\underline{12}} \\
 27 + 37 &= \underline{\underline{64}} \\
 13 + 20 &= \underline{\underline{33}} \\
 39 + 36 &= \underline{\underline{75}} \\
 9 + 9 &= \underline{\underline{18}} \\
 24 + 18 &= \underline{\underline{42}} \\
 11 + 3 &= \underline{\underline{14}} \\
 13 + 11 &= \underline{\underline{24}} \\
 7 + 1 &= \underline{\underline{8}}
 \end{aligned}$$

LINE ENDS

PATTERN #2

$$\begin{aligned}
 20 + 8 &= \underline{\underline{28}} \\
 10 + 12 &= \underline{\underline{22}} \\
 6 + 7 &= \underline{\underline{13}} \\
 12 + 14 &= \underline{\underline{26}} \\
 9 + 10 &= \underline{\underline{19}} \\
 36 + 47 &= \underline{\underline{83}} \\
 4 + 12 &= \underline{\underline{16}} \\
 9 + 13 &= \underline{\underline{22}} \\
 1 + 1 &= \underline{\underline{2}} \\
 12 + 13 &= \underline{\underline{25}} \\
 23 + 8 &= \underline{\underline{31}} \\
 19 + 33 &= \underline{\underline{52}} \\
 20 + 20 &= \underline{\underline{40}} \\
 9 + 4 &= \underline{\underline{13}} \\
 7 + 0 &= \underline{\underline{7}}
 \end{aligned}$$

LINE ENDS

PATTERN #3

$$\begin{aligned}
 33 + 27 &= \underline{\underline{60}} \\
 46 + 45 &= \underline{\underline{91}} \\
 12 + 10 &= \underline{\underline{22}} \\
 30 + 7 &= \underline{\underline{37}} \\
 12 + 8 &= \underline{\underline{20}} \\
 3 + 7 &= \underline{\underline{10}} \\
 20 + 11 &= \underline{\underline{31}} \\
 8 + 8 &= \underline{\underline{16}} \\
 17 + 29 &= \underline{\underline{46}} \\
 13 + 12 &= \underline{\underline{25}} \\
 12 + 9 &= \underline{\underline{21}} \\
 28 + 38 &= \underline{\underline{66}} \\
 20 + 4 &= \underline{\underline{24}} \\
 9 + 10 &= \underline{\underline{19}}
 \end{aligned}$$

LINE ENDS

PATTERN #4

$$\begin{aligned}
 34 + 38 &= \underline{\underline{72}} \\
 5 + 8 &= \underline{\underline{13}} \\
 13 + 10 &= \underline{\underline{23}} \\
 10 + 22 &= \underline{\underline{32}} \\
 29 + 28 &= \underline{\underline{57}} \\
 48 + 47 &= \underline{\underline{95}} \\
 6 + 13 &= \underline{\underline{19}} \\
 11 + 14 &= \underline{\underline{25}} \\
 3 + 2 &= \underline{\underline{5}} \\
 6 + 11 &= \underline{\underline{17}} \\
 5 + 6 &= \underline{\underline{11}} \\
 16 + 19 &= \underline{\underline{35}} \\
 13 + 13 &= \underline{\underline{26}} \\
 2 + 2 &= \underline{\underline{4}} \\
 14 + 16 &= \underline{\underline{30}}
 \end{aligned}$$

LINE ENDS

