1. **Réduction d'e*x*pressions littérales**
2. 6***x*** + 5y + 10 + 3y + y + 3 + 4***x*** + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 10***x*** + 6 + 8***x*** + 10***x*** + y + 6***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 10y + 5***x*** + ***x*** + 4y + 8***x*** + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 3 + 5***x*** + 9 + 7***x*** + 8y + 10 + 10 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 7 + 2***x*** + 8y + 2***x*** + 6y + 10y + 1 + 6 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 3y + 7 + 9 + ***x*** + 10y + 3 + 8 + 3***x*** + 7 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. 6***x*** + 6***x*** + 5y + 6***x*** + 2 + 10 + 7***x*** + 1 + 2 =\_\_\_\_\_\_\_\_\_\_\_\_
9. 4 + 7y + 2***x*** + 2y + y + 6y + 2 + 9y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. 7 + 4***x*** + 1 + 5***x*** + 3y + 9***x*** + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. 5y + 10 + 1 + 4 + 7***x*** + 8 + 8y + 3***x*** + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_
12. 4y + 6 + 2 + 7***x*** + 8y + 9y + 9 + 6***x*** + 3***x*** =\_\_\_\_\_\_\_\_\_\_\_\_
13. 10***x*** + 9y + 9y + 7 + 3***x*** + 4 + 9y + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. 5***x*** + 7***x*** + 9y + 9***x*** + 5 + 7 + 2 + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. 9y + 5y + 3***x*** + 8 + 8y + 5***x*** + 3y + 10 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. 7 + 2***x*** + 7***x*** + 3y + 6y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. 4 + 7 + ***x*** + 1 + 2 + 5***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. 10***x*** + 3y + 5y + 6y + 10***x*** + 7y + 10***x*** + ***x*** =\_\_\_\_\_\_\_\_\_\_\_
19. 3***x*** + 6***x*** + 2 + 1 + 8***x*** + 7***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. 9 + 3 + y + 3y + 4 + 2***x*** + 9y + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
21. 6***x*** + 8 + 8***x*** + 10***x*** + 3y + 2***x*** + 2 + 1 + 6 =\_\_\_\_\_\_\_\_\_\_\_\_
22. Solutions
23. 6***x*** + 5y + 10 + 3y + y + 3 + 4***x*** + 4 = 10***x*** + 9y + 17
24. 10***x*** + 6 + 8***x*** + 10***x*** + y + 6***x*** = 34***x*** + y + 6
25. 10y + 5***x*** + ***x*** + 4y + 8***x*** + 8y = 14***x*** + 22y
26. 3 + 5***x*** + 9 + 7***x*** + 8y + 10 + 10 = 12***x*** + 8y + 32
27. 7 + 2***x*** + 8y + 2***x*** + 6y + 10y + 1 + 6 = 4***x*** + 24y + 14
28. 3y + 7 + 9 + ***x*** + 10y + 3 + 8 + 3***x*** + 7 = 4***x*** + 13y + 34
29. 6***x*** + 6***x*** + 5y + 6***x*** + 2 + 10 + 7***x*** + 1 + 2 = 25***x*** + 5y + 15
30. 4 + 7y + 2***x*** + 2y + y + 6y + 2 + 9y = 2***x*** + 25y + 6
31. 7 + 4***x*** + 1 + 5***x*** + 3y + 9***x*** + 2***x*** = 20***x*** + 3y + 8
32. 5y + 10 + 1 + 4 + 7***x*** + 8 + 8y + 3***x*** + 2 = 10***x*** + 13y + 25
33. 4y + 6 + 2 + 7***x*** + 8y + 9y + 9 + 6***x*** + 3***x*** = 16***x*** + 21y + 17
34. 10***x*** + 9y + 9y + 7 + 3***x*** + 4 + 9y + 7y = 13***x*** + 34y + 11
35. 5***x*** + 7***x*** + 9y + 9***x*** + 5 + 7 + 2 + 8y = 21***x*** + 17y + 14
36. 9y + 5y + 3***x*** + 8 + 8y + 5***x*** + 3y + 10 = 8***x*** + 25y + 18
37. 7 + 2***x*** + 7***x*** + 3y + 6y + 1 = 9***x*** + 9y + 8
38. 4 + 7 + ***x*** + 1 + 2 + 5***x*** = 6***x*** + 14
39. 10***x*** + 3y + 5y + 6y + 10***x*** + 7y + 10***x*** + ***x*** = 31***x*** + 21y
40. 3***x*** + 6***x*** + 2 + 1 + 8***x*** + 7***x*** = 24***x*** + 3
41. 9 + 3 + y + 3y + 4 + 2***x*** + 9y + 10y = 2***x*** + 23y + 16
42. 6***x*** + 8 + 8***x*** + 10***x*** + 3y + 2***x*** + 2 + 1 + 6 = 26***x*** + 3y + 17
43. **Réduction d'e*x*pressions littérales**
44. 6 + 9 + 6***x*** + 4y + 8y + 5 + 3 + 9y + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
45. 8 + 8 + 5y + 2y + 3 + 7y + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
46. 10 + 2 + 4y + 1 + 9y + 8 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
47. 3 + 5***x*** + 5 + 5y + 6***x*** + 1 + 1 + 6 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
48. 9y + 7***x*** + y + 2 + 7y + 6 + 6 + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
49. 3y + 7 + 5y + 6***x*** + ***x*** + 6***x*** + 9y + 10y + 5y =\_\_\_\_\_\_\_\_\_\_
50. 2y + y + 2***x*** + 8 + 8y + 6***x*** + y + 8y + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_
51. 1 + 9y + 4 + 5y + 3 + 6 + y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
52. 9 + 3***x*** + 3 + 7y + 10 + 9y + y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
53. 5 + 9y + 8y + 9y + 9y + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
54. y + 8y + ***x*** + 10***x*** + 2 + 8 + 7***x*** + 5y + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_
55. 8***x*** + 3***x*** + 6 + 4y + 8 + 9y + 5 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
56. 2 + 3***x*** + 2***x*** + 9***x*** + 1 + 6y + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
57. 5 + 5y + 6***x*** + 3***x*** + 4 + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
58. 8y + 6y + 8 + 6***x*** + 6y + 4***x*** + 6 + 9 + y =\_\_\_\_\_\_\_\_\_\_\_\_\_
59. 10y + 9 + 9 + 2 + 5***x*** + 7***x*** + 3y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
60. 4 + 4***x*** + 2***x*** + 6 + 10***x*** + 10***x*** + 8 + y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
61. 9 + y + 4y + 5***x*** + 6y + 3***x*** + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
62. 10y + 10y + 3y + 6***x*** + 9y + 7 + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
63. 8 + 1 + 1 + ***x*** + 8***x*** + 4y + 9***x*** + 10y + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_
64. Solutions
65. 6 + 9 + 6***x*** + 4y + 8y + 5 + 3 + 9y + 4 = 6***x*** + 21y + 27
66. 8 + 8 + 5y + 2y + 3 + 7y + 7y = 21y + 19
67. 10 + 2 + 4y + 1 + 9y + 8 = 13y + 21
68. 3 + 5***x*** + 5 + 5y + 6***x*** + 1 + 1 + 6 = 11***x*** + 5y + 16
69. 9y + 7***x*** + y + 2 + 7y + 6 + 6 + 10y = 7***x*** + 27y + 14
70. 3y + 7 + 5y + 6***x*** + ***x*** + 6***x*** + 9y + 10y + 5y = 13***x*** + 32y + 7
71. 2y + y + 2***x*** + 8 + 8y + 6***x*** + y + 8y + 3 = 8***x*** + 20y + 11
72. 1 + 9y + 4 + 5y + 3 + 6 + y + 1 = 15y + 15
73. 9 + 3***x*** + 3 + 7y + 10 + 9y + y = 3***x*** + 17y + 22
74. 5 + 9y + 8y + 9y + 9y + 8***x*** = 8***x*** + 35y + 5
75. y + 8y + ***x*** + 10***x*** + 2 + 8 + 7***x*** + 5y + 3 = 18***x*** + 14y + 13
76. 8***x*** + 3***x*** + 6 + 4y + 8 + 9y + 5 = 11***x*** + 13y + 19
77. 2 + 3***x*** + 2***x*** + 9***x*** + 1 + 6y + 8y = 14***x*** + 14y + 3
78. 5 + 5y + 6***x*** + 3***x*** + 4 + 4 = 9***x*** + 5y + 13
79. 8y + 6y + 8 + 6***x*** + 6y + 4***x*** + 6 + 9 + y = 10***x*** + 21y + 23
80. 10y + 9 + 9 + 2 + 5***x*** + 7***x*** + 3y = 12***x*** + 13y + 20
81. 4 + 4***x*** + 2***x*** + 6 + 10***x*** + 10***x*** + 8 + y = 26***x*** + y + 18
82. 9 + y + 4y + 5***x*** + 6y + 3***x*** + 3 = 8***x*** + 11y + 12
83. 10y + 10y + 3y + 6***x*** + 9y + 7 + 4 = 6***x*** + 32y + 11
84. 8 + 1 + 1 + ***x*** + 8***x*** + 4y + 9***x*** + 10y + 4 = 18***x*** + 14y + 14
85. **Réduction d'e*x*pressions littérales**
86. 6 + 7y + 7***x*** + 10***x*** + 10 + 3***x*** + 7y + 10 + 10 =\_\_\_\_\_\_\_\_\_
87. 9***x*** + 6y + 9***x*** + 2***x*** + 3 + 3***x*** + 6y + 10 + 3 =\_\_\_\_\_\_\_\_\_\_\_
88. 5y + 6y + 3***x*** + 3y + 4***x*** + 8***x*** + 10y + 10 + 3***x*** =\_\_\_\_\_\_\_\_
89. 7y + 4y + 6 + 3***x*** + 1 + 8 + 10y + 6y + y =\_\_\_\_\_\_\_\_\_\_\_\_
90. 10 + ***x*** + 5 + 6***x*** + 1 + 6***x*** + ***x*** + 6 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
91. 10***x*** + 10 + 8y + ***x*** + 8***x*** + 4 + ***x*** + ***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
92. ***x*** + 9***x*** + 3 + 10 + 2 + 7***x*** + 2 + 4 + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
93. 9y + 6***x*** + y + 4y + 10***x*** + 8y + 5 + 3y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
94. 7***x*** + 3 + 7***x*** + 5y + 6***x*** + 2 + 4y + 7 + 10 =\_\_\_\_\_\_\_\_\_\_\_\_
95. y + 2***x*** + ***x*** + 3y + 10y + 3y + 2y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
96. 5y + 6 + 2***x*** + 2y + 10***x*** + 10***x*** + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
97. 8 + 7y + 2y + 3 + 3 + 2***x*** + 1 + 2y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
98. 5***x*** + 3y + 8y + 2y + 2 + 2 + 9 + 10***x*** + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_
99. 3y + 10***x*** + 6y + 3***x*** + ***x*** + 6***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
100. 9 + 5 + 6y + ***x*** + 10***x*** + ***x*** + 6 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
101. 10***x*** + 3y + 9***x*** + 3y + 9 + 9***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
102. 9***x*** + 6***x*** + 2y + 2 + 2 + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
103. 10 + 2***x*** + 9***x*** + 8***x*** + 8***x*** + 8***x*** + 3***x*** + 4y =\_\_\_\_\_\_\_\_\_\_\_\_\_
104. 2y + 8y + 8***x*** + 9 + 4y + 6***x*** + 2y + 4***x*** + 6y =\_\_\_\_\_\_\_\_\_\_
105. 7y + y + 1 + 5y + 4***x*** + 6y + 9 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
106. Solutions
107. 6 + 7y + 7***x*** + 10***x*** + 10 + 3***x*** + 7y + 10 + 10 = 20***x*** + 14y + 36
108. 9***x*** + 6y + 9***x*** + 2***x*** + 3 + 3***x*** + 6y + 10 + 3 = 23***x*** + 12y + 16
109. 5y + 6y + 3***x*** + 3y + 4***x*** + 8***x*** + 10y + 10 + 3***x*** = 18***x*** + 24y + 10
110. 7y + 4y + 6 + 3***x*** + 1 + 8 + 10y + 6y + y = 3***x*** + 28y + 15
111. 10 + ***x*** + 5 + 6***x*** + 1 + 6***x*** + ***x*** + 6 = 14***x*** + 22
112. 10***x*** + 10 + 8y + ***x*** + 8***x*** + 4 + ***x*** + ***x*** = 21***x*** + 8y + 14
113. ***x*** + 9***x*** + 3 + 10 + 2 + 7***x*** + 2 + 4 + 1 = 17***x*** + 22
114. 9y + 6***x*** + y + 4y + 10***x*** + 8y + 5 + 3y = 16***x*** + 25y + 5
115. 7***x*** + 3 + 7***x*** + 5y + 6***x*** + 2 + 4y + 7 + 10 = 20***x*** + 9y + 22
116. y + 2***x*** + ***x*** + 3y + 10y + 3y + 2y = 3***x*** + 19y
117. 5y + 6 + 2***x*** + 2y + 10***x*** + 10***x*** + 1 = 22***x*** + 7y + 7
118. 8 + 7y + 2y + 3 + 3 + 2***x*** + 1 + 2y = 2***x*** + 11y + 15
119. 5***x*** + 3y + 8y + 2y + 2 + 2 + 9 + 10***x*** + 8***x*** = 23***x*** + 13y + 13
120. 3y + 10***x*** + 6y + 3***x*** + ***x*** + 6***x*** = 20***x*** + 9y
121. 9 + 5 + 6y + ***x*** + 10***x*** + ***x*** + 6 = 12***x*** + 6y + 20
122. 10***x*** + 3y + 9***x*** + 3y + 9 + 9***x*** = 28***x*** + 6y + 9
123. 9***x*** + 6***x*** + 2y + 2 + 2 + 4 = 15***x*** + 2y + 8
124. 10 + 2***x*** + 9***x*** + 8***x*** + 8***x*** + 8***x*** + 3***x*** + 4y = 38***x*** + 4y + 10
125. 2y + 8y + 8***x*** + 9 + 4y + 6***x*** + 2y + 4***x*** + 6y = 18***x*** + 22y + 9
126. 7y + y + 1 + 5y + 4***x*** + 6y + 9 = 4***x*** + 19y + 10
127. **Réduction d'e*x*pressions littérales**
128. 9 + y + 6***x*** + 2***x*** + 7y + 1 + 8***x*** + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
129. ***x*** + 3***x*** + 7***x*** + 7y + 8 + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
130. 7y + 1 + 10 + 9 + y + 2 + 7y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
131. 10 + 8***x*** + 6***x*** + 10y + 9 + 4***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
132. 3 + 1 + 4 + 4***x*** + 2 + 7***x*** + ***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
133. 6y + 2***x*** + 8***x*** + 6 + 7y + ***x*** + 7***x*** + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
134. 6 + 10***x*** + 2y + 8y + 9 + 1 + 7***x*** + 9***x*** + 6 =\_\_\_\_\_\_\_\_\_\_\_\_
135. 4y + 3 + 5***x*** + 8***x*** + 3y + 9 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
136. y + ***x*** + 4y + 7y + 3***x*** + 5 + 10y + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
137. 10y + 5y + 4***x*** + 3***x*** + ***x*** + 2 + 10***x*** + 7 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
138. 3 + 10 + 9***x*** + 9***x*** + 2y + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
139. 5***x*** + 9 + 10y + 9 + 5y + 5 + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
140. 3 + 3***x*** + 6 + 3y + 5y + 3y + 8***x*** + 1 + 3***x*** =\_\_\_\_\_\_\_\_\_\_\_\_
141. 2***x*** + 8 + 7***x*** + ***x*** + 3***x*** + 3***x*** + 10***x*** + 3***x*** + 3***x*** =\_\_\_\_\_\_\_\_\_\_
142. 9 + 8 + 9 + 9y + 6 + 10***x*** + 9 + 9 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
143. 8***x*** + 6y + 8***x*** + 9 + 3***x*** + 4***x*** + 4 + 6y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
144. 3 + 6 + 5 + 7***x*** + 6***x*** + 5***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
145. 4 + 10***x*** + 4y + 9y + 4***x*** + 8y + y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
146. 7y + 5***x*** + 4y + ***x*** + 6y + 6y + 8y + 1 + 6 =\_\_\_\_\_\_\_\_\_\_\_\_
147. 8***x*** + 2***x*** + 9 + 8***x*** + 3***x*** + 2y + 2y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
148. Solutions
149. 9 + y + 6***x*** + 2***x*** + 7y + 1 + 8***x*** + 7y = 16***x*** + 15y + 10
150. ***x*** + 3***x*** + 7***x*** + 7y + 8 + 10***x*** = 21***x*** + 7y + 8
151. 7y + 1 + 10 + 9 + y + 2 + 7y + 1 = 15y + 23
152. 10 + 8***x*** + 6***x*** + 10y + 9 + 4***x*** = 18***x*** + 10y + 19
153. 3 + 1 + 4 + 4***x*** + 2 + 7***x*** + ***x*** = 12***x*** + 10
154. 6y + 2***x*** + 8***x*** + 6 + 7y + ***x*** + 7***x*** + 7y = 18***x*** + 20y + 6
155. 6 + 10***x*** + 2y + 8y + 9 + 1 + 7***x*** + 9***x*** + 6 = 26***x*** + 10y + 22
156. 4y + 3 + 5***x*** + 8***x*** + 3y + 9 = 13***x*** + 7y + 12
157. y + ***x*** + 4y + 7y + 3***x*** + 5 + 10y + 8y = 4***x*** + 30y + 5
158. 10y + 5y + 4***x*** + 3***x*** + ***x*** + 2 + 10***x*** + 7 = 18***x*** + 15y + 9
159. 3 + 10 + 9***x*** + 9***x*** + 2y + 10***x*** = 28***x*** + 2y + 13
160. 5***x*** + 9 + 10y + 9 + 5y + 5 + 7y = 5***x*** + 22y + 23
161. 3 + 3***x*** + 6 + 3y + 5y + 3y + 8***x*** + 1 + 3***x*** = 14***x*** + 11y + 10
162. 2***x*** + 8 + 7***x*** + ***x*** + 3***x*** + 3***x*** + 10***x*** + 3***x*** + 3***x*** = 32***x*** + 8
163. 9 + 8 + 9 + 9y + 6 + 10***x*** + 9 + 9 = 10***x*** + 9y + 50
164. 8***x*** + 6y + 8***x*** + 9 + 3***x*** + 4***x*** + 4 + 6y = 23***x*** + 12y + 13
165. 3 + 6 + 5 + 7***x*** + 6***x*** + 5***x*** = 18***x*** + 14
166. 4 + 10***x*** + 4y + 9y + 4***x*** + 8y + y = 14***x*** + 22y + 4
167. 7y + 5***x*** + 4y + ***x*** + 6y + 6y + 8y + 1 + 6 = 6***x*** + 31y + 7
168. 8***x*** + 2***x*** + 9 + 8***x*** + 3***x*** + 2y + 2y + 1 = 21***x*** + 4y + 10
169. **Réduction d'e*x*pressions littérales**
170. ***x*** + 2 + 2***x*** + 4y + 9 + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
171. 1 + 8 + 5y + 2y + 7 + 5***x*** + 10 + 9y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_
172. 7 + 1 + 2***x*** + 5y + 6y + 10y + 3***x*** + 7y + 3***x*** =\_\_\_\_\_\_\_\_\_\_
173. 3***x*** + 10 + ***x*** + 3***x*** + 9 + ***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
174. 5***x*** + 4y + 4 + 8 + 2y + 7 + 7y + 10 + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_
175. 8y + 5***x*** + 10y + 8y + 7y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
176. 2y + 1 + 7 + 10***x*** + 5 + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
177. 3y + 7y + 5y + 6y + 5***x*** + 8 + 4***x*** + 5 + 4***x*** =\_\_\_\_\_\_\_\_\_\_\_
178. 8 + 6 + 8y + 5***x*** + 2y + 7y + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
179. 5 + 5***x*** + 3 + 3***x*** + 4y + 5 + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
180. 4 + 10y + 3y + 6y + 9y + 10 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
181. 2y + 8y + y + 7***x*** + 4y + 3 + 9 + 5 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
182. 6***x*** + 5 + 2y + 6***x*** + 8y + 4***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
183. 3 + 2 + 7 + 10 + 3y + 5 + 7***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
184. 10 + 7y + ***x*** + 7y + 10y + 2***x*** + 8 + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
185. 7y + 10***x*** + 5y + 10y + 8 + 5 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
186. 7 + 9 + 6***x*** + 9***x*** + 3***x*** + 4y + 6***x*** + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
187. 5***x*** + 10***x*** + 7***x*** + 7y + y + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
188. 3***x*** + 4y + ***x*** + 7 + 1 + 4***x*** + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
189. 10y + 9 + 8y + 8 + 5y + 4y + 6***x*** + 4 + 2y =\_\_\_\_\_\_\_\_\_\_\_
190. Solutions
191. ***x*** + 2 + 2***x*** + 4y + 9 + 1 = 3***x*** + 4y + 12
192. 1 + 8 + 5y + 2y + 7 + 5***x*** + 10 + 9y + 1 = 5***x*** + 16y + 27
193. 7 + 1 + 2***x*** + 5y + 6y + 10y + 3***x*** + 7y + 3***x*** = 8***x*** + 28y + 8
194. 3***x*** + 10 + ***x*** + 3***x*** + 9 + ***x*** = 8***x*** + 19
195. 5***x*** + 4y + 4 + 8 + 2y + 7 + 7y + 10 + 10***x*** = 15***x*** + 13y + 29
196. 8y + 5***x*** + 10y + 8y + 7y + 1 = 5***x*** + 33y + 1
197. 2y + 1 + 7 + 10***x*** + 5 + 8y = 10***x*** + 10y + 13
198. 3y + 7y + 5y + 6y + 5***x*** + 8 + 4***x*** + 5 + 4***x*** = 13***x*** + 21y + 13
199. 8 + 6 + 8y + 5***x*** + 2y + 7y + 10y = 5***x*** + 27y + 14
200. 5 + 5***x*** + 3 + 3***x*** + 4y + 5 + 2 = 8***x*** + 4y + 15
201. 4 + 10y + 3y + 6y + 9y + 10 = 28y + 14
202. 2y + 8y + y + 7***x*** + 4y + 3 + 9 + 5 = 7***x*** + 15y + 17
203. 6***x*** + 5 + 2y + 6***x*** + 8y + 4***x*** = 16***x*** + 10y + 5
204. 3 + 2 + 7 + 10 + 3y + 5 + 7***x*** = 7***x*** + 3y + 27
205. 10 + 7y + ***x*** + 7y + 10y + 2***x*** + 8 + 2 = 3***x*** + 24y + 20
206. 7y + 10***x*** + 5y + 10y + 8 + 5 = 10***x*** + 22y + 13
207. 7 + 9 + 6***x*** + 9***x*** + 3***x*** + 4y + 6***x*** + 10y = 24***x*** + 14y + 16
208. 5***x*** + 10***x*** + 7***x*** + 7y + y + 3 = 22***x*** + 8y + 3
209. 3***x*** + 4y + ***x*** + 7 + 1 + 4***x*** + 3 = 8***x*** + 4y + 11
210. 10y + 9 + 8y + 8 + 5y + 4y + 6***x*** + 4 + 2y = 6***x*** + 29y + 21
211. **Réduction d'e*x*pressions littérales**
212. 9***x*** + 8***x*** + 5 + 4y + 3 + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
213. 5 + y + 5y + 3 + 10y + 5***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
214. y + 5y + 2***x*** + 5y + 8***x*** + 10 + 10***x*** + 5***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_
215. y + 8 + 10 + 7***x*** + 6 + 9***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
216. 7y + 2***x*** + 8***x*** + 3y + 10y + 2***x*** + 9y + 7***x*** =\_\_\_\_\_\_\_\_\_\_\_\_
217. 7***x*** + 4***x*** + 9 + 8 + 7y + 8***x*** + 5***x*** + 4***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
218. 7***x*** + 7y + 4 + 10***x*** + 7***x*** + 9***x*** + 4y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
219. 9y + 9y + 8y + 9 + 6***x*** + 10 + 6***x*** + 3***x*** + 2y =\_\_\_\_\_\_\_\_\_\_
220. 3***x*** + 4***x*** + 8 + 7y + 4 + 3 + 9 + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
221. 3 + 6 + 3 + 9 + 4y + 7 + 5***x*** + 7 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
222. 6y + 9***x*** + 3***x*** + 5***x*** + 6 + 2 + 5 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
223. 7y + 7***x*** + 2y + 7 + 9y + 4 + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
224. 10 + 5***x*** + 7y + 5***x*** + ***x*** + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
225. 9***x*** + 5y + 2 + 10y + 8 + 6y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
226. ***x*** + 9***x*** + 4***x*** + 7***x*** + 6 + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
227. 4 + 10 + 8***x*** + 3 + 6***x*** + 5***x*** + 8***x*** + 9y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
228. 4y + 4***x*** + 4***x*** + 10y + 3y + ***x*** + 5***x*** + 6 + 2***x*** =\_\_\_\_\_\_\_\_\_\_
229. 4 + 10y + 7***x*** + 8***x*** + 10 + 2***x*** + 10y + 10***x*** + 2y =\_\_\_\_\_\_\_
230. 4***x*** + 9y + 6y + 3***x*** + 7 + 2 + y + 7***x*** + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_
231. 10***x*** + 3 + 3 + 6y + 4***x*** + 5 + 3y + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
232. Solutions
233. 9***x*** + 8***x*** + 5 + 4y + 3 + 2***x*** = 19***x*** + 4y + 8
234. 5 + y + 5y + 3 + 10y + 5***x*** = 5***x*** + 16y + 8
235. y + 5y + 2***x*** + 5y + 8***x*** + 10 + 10***x*** + 5***x*** = 25***x*** + 11y + 10
236. y + 8 + 10 + 7***x*** + 6 + 9***x*** = 16***x*** + y + 24
237. 7y + 2***x*** + 8***x*** + 3y + 10y + 2***x*** + 9y + 7***x*** = 19***x*** + 29y
238. 7***x*** + 4***x*** + 9 + 8 + 7y + 8***x*** + 5***x*** + 4***x*** = 28***x*** + 7y + 17
239. 7***x*** + 7y + 4 + 10***x*** + 7***x*** + 9***x*** + 4y = 33***x*** + 11y + 4
240. 9y + 9y + 8y + 9 + 6***x*** + 10 + 6***x*** + 3***x*** + 2y = 15***x*** + 28y + 19
241. 3***x*** + 4***x*** + 8 + 7y + 4 + 3 + 9 + 7y = 7***x*** + 14y + 24
242. 3 + 6 + 3 + 9 + 4y + 7 + 5***x*** + 7 = 5***x*** + 4y + 35
243. 6y + 9***x*** + 3***x*** + 5***x*** + 6 + 2 + 5 = 17***x*** + 6y + 13
244. 7y + 7***x*** + 2y + 7 + 9y + 4 + 10y = 7***x*** + 28y + 11
245. 10 + 5***x*** + 7y + 5***x*** + ***x*** + 8***x*** = 19***x*** + 7y + 10
246. 9***x*** + 5y + 2 + 10y + 8 + 6y = 9***x*** + 21y + 10
247. ***x*** + 9***x*** + 4***x*** + 7***x*** + 6 + 8y = 21***x*** + 8y + 6
248. 4 + 10 + 8***x*** + 3 + 6***x*** + 5***x*** + 8***x*** + 9y = 27***x*** + 9y + 17
249. 4y + 4***x*** + 4***x*** + 10y + 3y + ***x*** + 5***x*** + 6 + 2***x*** = 16***x*** + 17y + 6
250. 4 + 10y + 7***x*** + 8***x*** + 10 + 2***x*** + 10y + 10***x*** + 2y = 27***x*** + 22y + 14
251. 4***x*** + 9y + 6y + 3***x*** + 7 + 2 + y + 7***x*** + 3 = 14***x*** + 16y + 12
252. 10***x*** + 3 + 3 + 6y + 4***x*** + 5 + 3y + 8***x*** = 22***x*** + 9y + 11
253. **Réduction d'e*x*pressions littérales**
254. 9 + ***x*** + 3***x*** + 3y + 8 + 7 + 3***x*** + 8y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
255. 6y + 6y + 10y + 2***x*** + 4 + 5 + 2y + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
256. 4y + 5y + 4***x*** + y + 10 + 3y + 8y + 6 + 4 =\_\_\_\_\_\_\_\_\_\_\_\_
257. 5y + 6 + 5***x*** + 6 + 2 + 3 + 9y + y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
258. ***x*** + 5 + 4***x*** + 2***x*** + 5 + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
259. 8y + 9 + 4y + 6 + 9***x*** + 4 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
260. ***x*** + 5y + 5y + 2***x*** + 5y + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
261. 6***x*** + 3y + 1 + ***x*** + 9y + y + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
262. 7y + 2 + 10y + 9 + 4***x*** + 2y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
263. 2***x*** + 6 + 7 + 3 + 2y + 6***x*** + 7 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
264. 4 + 10***x*** + 8y + 4***x*** + 4y + 4y + 3 + 6 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
265. y + 5 + 7y + 9***x*** + 8 + 5***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
266. 6 + 6 + 4 + 3y + 3y + 10 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
267. 5 + 7 + 5 + 3y + 4 + 9 + 10y + 3y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
268. 10 + 4 + 6 + 4***x*** + 10 + 4y + 4***x*** + ***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
269. 6***x*** + 4 + y + 4y + 8 + 5 + 4 + 6***x*** + 3***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
270. 4y + 9y + 9y + 3y + 8***x*** + 8***x*** + 1 + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_
271. 3y + 7y + 6***x*** + 7y + 5 + 10***x*** + 6y + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
272. 8y + 6 + 6y + 10y + 5***x*** + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
273. 6 + 10y + 7 + 3y + 9***x*** + 7 + 3y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
274. Solutions
275. 9 + ***x*** + 3***x*** + 3y + 8 + 7 + 3***x*** + 8y = 7***x*** + 11y + 24
276. 6y + 6y + 10y + 2***x*** + 4 + 5 + 2y + 2 = 2***x*** + 24y + 11
277. 4y + 5y + 4***x*** + y + 10 + 3y + 8y + 6 + 4 = 4***x*** + 21y + 20
278. 5y + 6 + 5***x*** + 6 + 2 + 3 + 9y + y = 5***x*** + 15y + 17
279. ***x*** + 5 + 4***x*** + 2***x*** + 5 + 8***x*** = 15***x*** + 10
280. 8y + 9 + 4y + 6 + 9***x*** + 4 = 9***x*** + 12y + 19
281. ***x*** + 5y + 5y + 2***x*** + 5y + 2***x*** = 5***x*** + 15y
282. 6***x*** + 3y + 1 + ***x*** + 9y + y + 10***x*** = 17***x*** + 13y + 1
283. 7y + 2 + 10y + 9 + 4***x*** + 2y = 4***x*** + 19y + 11
284. 2***x*** + 6 + 7 + 3 + 2y + 6***x*** + 7 = 8***x*** + 2y + 23
285. 4 + 10***x*** + 8y + 4***x*** + 4y + 4y + 3 + 6 = 14***x*** + 16y + 13
286. y + 5 + 7y + 9***x*** + 8 + 5***x*** = 14***x*** + 8y + 13
287. 6 + 6 + 4 + 3y + 3y + 10 = 6y + 26
288. 5 + 7 + 5 + 3y + 4 + 9 + 10y + 3y = 16y + 30
289. 10 + 4 + 6 + 4***x*** + 10 + 4y + 4***x*** + ***x*** = 9***x*** + 4y + 30
290. 6***x*** + 4 + y + 4y + 8 + 5 + 4 + 6***x*** + 3***x*** = 15***x*** + 5y + 21
291. 4y + 9y + 9y + 3y + 8***x*** + 8***x*** + 1 + 10***x*** = 26***x*** + 25y + 1
292. 3y + 7y + 6***x*** + 7y + 5 + 10***x*** + 6y + 3 = 16***x*** + 23y + 8
293. 8y + 6 + 6y + 10y + 5***x*** + 2***x*** = 7***x*** + 24y + 6
294. 6 + 10y + 7 + 3y + 9***x*** + 7 + 3y = 9***x*** + 16y + 20
295. **Réduction d'e*x*pressions littérales**
296. 5y + 10 + 7 + 2 + 2y + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
297. 8 + 3y + 4y + 10 + 1 + 4***x*** + 3 + 4y + 2y =\_\_\_\_\_\_\_\_\_\_\_\_
298. 4 + 5***x*** + 7 + 8***x*** + 8y + 4***x*** + ***x*** + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
299. 10 + ***x*** + 8y + 5y + 8 + 10***x*** + 9***x*** + 8 + 3y =\_\_\_\_\_\_\_\_\_\_\_
300. 8***x*** + 5***x*** + 10 + 8***x*** + y + 2 + 6y + 7***x*** + 10 =\_\_\_\_\_\_\_\_\_\_\_
301. 3y + 9 + ***x*** + 5***x*** + 4 + 8***x*** + 6y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
302. 3 + 4y + 2***x*** + 9***x*** + 9 + 3y + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
303. 3***x*** + ***x*** + 8 + 10y + 10***x*** + 4 + 9 + 10 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
304. 7y + 7***x*** + 5y + 8 + 7y + 7y + 8 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
305. 4 + 5y + 7y + 7y + 9***x*** + 5y + 8***x*** + 2 + 6 =\_\_\_\_\_\_\_\_\_\_\_\_
306. 9***x*** + 6 + 3***x*** + 8y + ***x*** + 10***x*** + ***x*** + 6***x*** + y =\_\_\_\_\_\_\_\_\_\_\_\_
307. 8y + 4***x*** + 4 + 2y + 8y + 9***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
308. 5***x*** + 9 + 8***x*** + 8 + 10***x*** + 5y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
309. y + 9y + 7y + 8 + y + 9y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
310. 5y + 4 + 5y + 4***x*** + 5***x*** + 6y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
311. 1 + 2 + 4***x*** + 10***x*** + 6 + 10 + 8 + ***x*** + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_\_
312. ***x*** + 8***x*** + 3 + 9 + ***x*** + 5 + 4 + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
313. 4y + ***x*** + 10***x*** + 2***x*** + 10 + 3 + 6 + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
314. y + 5***x*** + 5***x*** + 2***x*** + 2y + 6 + 9y + 6y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
315. 5***x*** + 9 + 1 + 8 + 6y + 8 + ***x*** + 3y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
316. Solutions
317. 5y + 10 + 7 + 2 + 2y + 2***x*** = 2***x*** + 7y + 19
318. 8 + 3y + 4y + 10 + 1 + 4***x*** + 3 + 4y + 2y = 4***x*** + 13y + 22
319. 4 + 5***x*** + 7 + 8***x*** + 8y + 4***x*** + ***x*** + 2***x*** = 20***x*** + 8y + 11
320. 10 + ***x*** + 8y + 5y + 8 + 10***x*** + 9***x*** + 8 + 3y = 20***x*** + 16y + 26
321. 8***x*** + 5***x*** + 10 + 8***x*** + y + 2 + 6y + 7***x*** + 10 = 28***x*** + 7y + 22
322. 3y + 9 + ***x*** + 5***x*** + 4 + 8***x*** + 6y = 14***x*** + 9y + 13
323. 3 + 4y + 2***x*** + 9***x*** + 9 + 3y + 10y = 11***x*** + 17y + 12
324. 3***x*** + ***x*** + 8 + 10y + 10***x*** + 4 + 9 + 10 = 14***x*** + 10y + 31
325. 7y + 7***x*** + 5y + 8 + 7y + 7y + 8 = 7***x*** + 26y + 16
326. 4 + 5y + 7y + 7y + 9***x*** + 5y + 8***x*** + 2 + 6 = 17***x*** + 24y + 12
327. 9***x*** + 6 + 3***x*** + 8y + ***x*** + 10***x*** + ***x*** + 6***x*** + y = 30***x*** + 9y + 6
328. 8y + 4***x*** + 4 + 2y + 8y + 9***x*** = 13***x*** + 18y + 4
329. 5***x*** + 9 + 8***x*** + 8 + 10***x*** + 5y = 23***x*** + 5y + 17
330. y + 9y + 7y + 8 + y + 9y = 27y + 8
331. 5y + 4 + 5y + 4***x*** + 5***x*** + 6y = 9***x*** + 16y + 4
332. 1 + 2 + 4***x*** + 10***x*** + 6 + 10 + 8 + ***x*** + 10***x*** = 25***x*** + 27
333. ***x*** + 8***x*** + 3 + 9 + ***x*** + 5 + 4 + 2 = 10***x*** + 23
334. 4y + ***x*** + 10***x*** + 2***x*** + 10 + 3 + 6 + 8***x*** = 21***x*** + 4y + 19
335. y + 5***x*** + 5***x*** + 2***x*** + 2y + 6 + 9y + 6y = 12***x*** + 18y + 6
336. 5***x*** + 9 + 1 + 8 + 6y + 8 + ***x*** + 3y = 6***x*** + 9y + 26
337. **Réduction d'e*x*pressions littérales**
338. 3 + 6***x*** + 8***x*** + 9***x*** + 3***x*** + 9 + 5y + 7 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
339. 9***x*** + 4y + 2***x*** + 9 + 6y + 7y + 7***x*** + 7y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
340. 9***x*** + 2 + 4***x*** + 8y + 5***x*** + 8 + 4y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
341. 9 + 5***x*** + 9y + 1 + 4y + 4y + 5y + 9 + 2y =\_\_\_\_\_\_\_\_\_\_\_\_
342. 7 + 4y + 4y + 7y + ***x*** + 10***x*** + 6***x*** + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_
343. ***x*** + 2***x*** + 2 + 7***x*** + 8y + 9 + 4y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
344. 2 + 4y + 9***x*** + 2y + 7y + ***x*** + 6y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
345. y + 10 + 8***x*** + 4y + 3y + 2y + y + 1 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
346. 3***x*** + 9y + 2***x*** + 3 + 8***x*** + 8y + 7***x*** + 4y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
347. 4y + 6***x*** + 1 + 2***x*** + 7y + 9 + 3y + 7 + 5y =\_\_\_\_\_\_\_\_\_\_\_\_
348. 6 + 6y + 9y + ***x*** + 3 + 5***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
349. 4 + 5y + 9y + 10y + 2 + 10***x*** + 7***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
350. 4***x*** + 6***x*** + 3 + 2 + 8 + 5 + 3 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
351. 3***x*** + ***x*** + 8 + 8***x*** + 3 + 10 + 10y + 4***x*** + 6y =\_\_\_\_\_\_\_\_\_\_\_
352. 5 + 9***x*** + 3 + 7y + 6***x*** + 9y + 6 + 8***x*** + 2y =\_\_\_\_\_\_\_\_\_\_\_\_
353. 5***x*** + ***x*** + 3 + 6 + 5 + 9***x*** + 3***x*** + 9y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
354. 7y + 6y + 7y + 6 + 4***x*** + 10y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
355. 8y + 10y + 7 + 8y + ***x*** + ***x*** + 9y + 10***x*** + 7 =\_\_\_\_\_\_\_\_\_\_\_
356. 7***x*** + 8y + 3 + 7 + 2 + 10***x*** + 7***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
357. 10 + 3y + y + 7***x*** + 6***x*** + 8 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
358. Solutions
359. 3 + 6***x*** + 8***x*** + 9***x*** + 3***x*** + 9 + 5y + 7 = 26***x*** + 5y + 19
360. 9***x*** + 4y + 2***x*** + 9 + 6y + 7y + 7***x*** + 7y = 18***x*** + 24y + 9
361. 9***x*** + 2 + 4***x*** + 8y + 5***x*** + 8 + 4y = 18***x*** + 12y + 10
362. 9 + 5***x*** + 9y + 1 + 4y + 4y + 5y + 9 + 2y = 5***x*** + 24y + 19
363. 7 + 4y + 4y + 7y + ***x*** + 10***x*** + 6***x*** + 10y = 17***x*** + 25y + 7
364. ***x*** + 2***x*** + 2 + 7***x*** + 8y + 9 + 4y = 10***x*** + 12y + 11
365. 2 + 4y + 9***x*** + 2y + 7y + ***x*** + 6y = 10***x*** + 19y + 2
366. y + 10 + 8***x*** + 4y + 3y + 2y + y + 1 = 8***x*** + 11y + 11
367. 3***x*** + 9y + 2***x*** + 3 + 8***x*** + 8y + 7***x*** + 4y = 20***x*** + 21y + 3
368. 4y + 6***x*** + 1 + 2***x*** + 7y + 9 + 3y + 7 + 5y = 8***x*** + 19y + 17
369. 6 + 6y + 9y + ***x*** + 3 + 5***x*** = 6***x*** + 15y + 9
370. 4 + 5y + 9y + 10y + 2 + 10***x*** + 7***x*** = 17***x*** + 24y + 6
371. 4***x*** + 6***x*** + 3 + 2 + 8 + 5 + 3 = 10***x*** + 21
372. 3***x*** + ***x*** + 8 + 8***x*** + 3 + 10 + 10y + 4***x*** + 6y = 16***x*** + 16y + 21
373. 5 + 9***x*** + 3 + 7y + 6***x*** + 9y + 6 + 8***x*** + 2y = 23***x*** + 18y + 14
374. 5***x*** + ***x*** + 3 + 6 + 5 + 9***x*** + 3***x*** + 9y = 18***x*** + 9y + 14
375. 7y + 6y + 7y + 6 + 4***x*** + 10y = 4***x*** + 30y + 6
376. 8y + 10y + 7 + 8y + ***x*** + ***x*** + 9y + 10***x*** + 7 = 12***x*** + 35y + 14
377. 7***x*** + 8y + 3 + 7 + 2 + 10***x*** + 7***x*** = 24***x*** + 8y + 12
378. 10 + 3y + y + 7***x*** + 6***x*** + 8 = 13***x*** + 4y + 18
379. **Réduction d'e*x*pressions littérales**
380. 10y + 9***x*** + y + 4***x*** + 6y + 8 + 6***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
381. 4y + 8***x*** + 4***x*** + ***x*** + 7y + 9 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
382. 8 + 9 + 7***x*** + 9 + 8y + 3***x*** + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
383. 10 + 4***x*** + 3***x*** + 9 + 4***x*** + 6y + 3y + ***x*** + 6y =\_\_\_\_\_\_\_\_\_\_\_
384. 8y + 10 + 3***x*** + 8 + 7y + 10 + 4***x*** + 3***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
385. 10y + 10y + 4 + 7 + 5***x*** + y + 6y + 9y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
386. 4y + 5y + 10***x*** + 7y + 5 + 2 + 2y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
387. 3y + 4y + 5 + 10y + 8 + 8 + 3y + 2 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
388. 6y + 6y + 7 + 10y + 2 + 6***x*** + 6 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
389. 10 + 9***x*** + 4***x*** + 3***x*** + 9y + 7***x*** + 6 + 4***x*** + 9 =\_\_\_\_\_\_\_\_\_\_\_
390. 4***x*** + 7 + 4y + 8***x*** + 10y + 8 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
391. 7 + 5 + 10***x*** + 10***x*** + 3y + 5y + 7***x*** + 5 + 10 =\_\_\_\_\_\_\_\_\_\_
392. 2***x*** + 2***x*** + 3y + 10y + 6***x*** + 7 + 4 + 8***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
393. 1 + ***x*** + 2 + 6***x*** + 4 + 10 + 7y + 10***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
394. 8y + 4y + 8 + 2y + 1 + 5***x*** + 10y + 7 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
395. 8 + 10y + 4***x*** + 7y + 7y + 7***x*** + y + 4***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_
396. 4y + 5***x*** + y + 4***x*** + 9y + 5y + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
397. 9***x*** + 1 + 9 + 6 + 1 + ***x*** + 7***x*** + 3 + 4***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
398. 6y + 9***x*** + 6***x*** + 5y + y + 9y + 2***x*** =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
399. 8***x*** + 7***x*** + 6y + y + 5 + 3y + 10***x*** + y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
400. Solutions
401. 10y + 9***x*** + y + 4***x*** + 6y + 8 + 6***x*** = 19***x*** + 17y + 8
402. 4y + 8***x*** + 4***x*** + ***x*** + 7y + 9 = 13***x*** + 11y + 9
403. 8 + 9 + 7***x*** + 9 + 8y + 3***x*** + 2 = 10***x*** + 8y + 28
404. 10 + 4***x*** + 3***x*** + 9 + 4***x*** + 6y + 3y + ***x*** + 6y = 12***x*** + 15y + 19
405. 8y + 10 + 3***x*** + 8 + 7y + 10 + 4***x*** + 3***x*** = 10***x*** + 15y + 28
406. 10y + 10y + 4 + 7 + 5***x*** + y + 6y + 9y = 5***x*** + 36y + 11
407. 4y + 5y + 10***x*** + 7y + 5 + 2 + 2y = 10***x*** + 18y + 7
408. 3y + 4y + 5 + 10y + 8 + 8 + 3y + 2 = 20y + 23
409. 6y + 6y + 7 + 10y + 2 + 6***x*** + 6 = 6***x*** + 22y + 15
410. 10 + 9***x*** + 4***x*** + 3***x*** + 9y + 7***x*** + 6 + 4***x*** + 9 = 27***x*** + 9y + 25
411. 4***x*** + 7 + 4y + 8***x*** + 10y + 8 = 12***x*** + 14y + 15
412. 7 + 5 + 10***x*** + 10***x*** + 3y + 5y + 7***x*** + 5 + 10 = 27***x*** + 8y + 27
413. 2***x*** + 2***x*** + 3y + 10y + 6***x*** + 7 + 4 + 8***x*** = 18***x*** + 13y + 11
414. 1 + ***x*** + 2 + 6***x*** + 4 + 10 + 7y + 10***x*** = 17***x*** + 7y + 17
415. 8y + 4y + 8 + 2y + 1 + 5***x*** + 10y + 7 = 5***x*** + 24y + 16
416. 8 + 10y + 4***x*** + 7y + 7y + 7***x*** + y + 4***x*** = 15***x*** + 25y + 8
417. 4y + 5***x*** + y + 4***x*** + 9y + 5y + 2***x*** = 11***x*** + 19y
418. 9***x*** + 1 + 9 + 6 + 1 + ***x*** + 7***x*** + 3 + 4***x*** = 21***x*** + 20
419. 6y + 9***x*** + 6***x*** + 5y + y + 9y + 2***x*** = 17***x*** + 21y
420. 8***x*** + 7***x*** + 6y + y + 5 + 3y + 10***x*** + y = 25***x*** + 11y + 5