

Name: _____

Key

Hr: _____

Date: _____

Exponent Monster

1. $2^3 = 8$	21. $8^{\frac{1}{3}} = 2$	41. $256^{\frac{1}{2}} = 16$	61. $625^{-\frac{1}{4}} = \frac{1}{5}$	81. $256^{-\frac{1}{2}} = \frac{1}{16}$
2. $4^3 = 64$	22. $64^{-\frac{1}{3}} = \frac{1}{4}$	42. $81^{\frac{1}{4}} = 3$	62. $64^{\frac{4}{3}} = 256$	82. $625^{-\frac{3}{4}} = \frac{1}{125}$
3. $3^{-3} = \frac{1}{27}$	23. $196^{\frac{1}{2}} = 14$	43. $81^{-\frac{1}{2}} = \frac{1}{9}$	63. $169^{-\frac{1}{2}} = \frac{1}{13}$	83. $81^{\frac{5}{4}} = 243$
4. $5^{-2} = \frac{1}{25}$	24. $27^{\frac{1}{3}} = 3$	44. $16^{\frac{1}{4}} = 2$	64. $324^{-\frac{1}{2}} = \frac{1}{18}$	84. $9^{\frac{4}{2}} = 81$
5. $16^2 = 256$	25. $225^{-\frac{1}{2}} = \frac{1}{15}$	45. $6^3 = 216$	65. $289^{\frac{1}{2}} = 17$	85. $11^2 = 121$
6. $3^{-4} = \frac{1}{81}$	26. $243^{\frac{1}{5}} = 3$	46. $400^{\frac{1}{2}} = 20$	66. $361^{-\frac{1}{2}} = \frac{1}{19}$	86. $121^{-\frac{1}{2}} = \frac{1}{11}$
7. $2^{-4} = \frac{1}{16}$	27. $36^{\frac{1}{2}} = 6$	47. $36^{-\frac{1}{2}} = \frac{1}{6}$	67. $125^{\frac{2}{3}} = 25$	87. $49^{\frac{1}{2}} = 7$
8. $9^2 = 81$	28. $256^{\frac{1}{4}} = 4$	48. $4^4 = 256$	68. $16^{-\frac{3}{4}} = \frac{1}{8}$	88. $256^{\frac{3}{4}} = 64$
9. $6^{-2} = \frac{1}{36}$	29. $32^{-\frac{1}{5}} = \frac{1}{2}$	49. $32^{\frac{1}{5}} = 2$	69. $81^{-\frac{5}{4}} = \frac{1}{243}$	89. $16^{\frac{3}{2}} = 64$
10. $5^{-3} = \frac{1}{125}$	30. $216^{\frac{1}{3}} = 6$	50. $216^{\frac{1}{3}} = 6$	70. $361^{\frac{1}{2}} = 19$	90. $15^2 = 225$
11. $4^{-2} = \frac{1}{16}$	31. $2^5 = 32$	51. $8^{-\frac{1}{3}} = \frac{1}{2}$	71. $2^4 = 16$	91. $4^{-\frac{5}{2}} = \frac{1}{32}$
12. $7^3 = 343$	32. $243^{-\frac{1}{5}} = \frac{1}{3}$	52. $6^3 = 216$	72. $324^{\frac{1}{2}} = 18$	92. $121^{\frac{1}{2}} = 11$
13. $12^2 = 144$	33. $343^{\frac{1}{3}} = 7$	53. $243^{-\frac{2}{5}} = \frac{1}{9}$	73. $289^{-\frac{1}{2}} = \frac{1}{17}$	93. $3^2 = 9$
14. $20^{-2} = \frac{1}{400}$	34. $3^4 = 81$	54. $16^{-\frac{3}{4}} = \frac{1}{8}$	74. $5^3 = 125$	94. $243^{\frac{2}{5}} = 9$
15. $14^2 = 196$	35. $216^{-\frac{1}{3}} = \frac{1}{6}$	55. $125^{-\frac{1}{3}} = \frac{1}{5}$	75. $27^{-\frac{5}{3}} = \frac{1}{243}$	95. $100^{\frac{3}{2}} = 1000$
16. $8^3 = 512$	36. $256^{\frac{1}{4}} = 4$	56. $243^{-\frac{1}{5}} = \frac{1}{3}$	76. $400^{-\frac{1}{2}} = \frac{1}{20}$	96. $25^{-\frac{3}{2}} = \frac{1}{125}$
17. $10^{-2} = \frac{1}{100}$	37. $64^{-\frac{1}{3}} = \frac{1}{4}$	57. $225^{\frac{1}{2}} = 15$	77. $256^{-\frac{3}{4}} = \frac{1}{64}$	97. $4^{-\frac{5}{2}} = \frac{1}{32}$
18. $17^2 = 289$	38. $361^{\frac{1}{2}} = 19$	58. $81^{\frac{1}{2}} = 9$	78. $196^{-\frac{1}{2}} = \frac{1}{14}$	98. $9^{\frac{3}{2}} = 27$
19. $9^3 = 729$	39. $625^{\frac{1}{4}} = 5$	59. $4^{-3} = \frac{1}{64}$	79. $19^{-2} = \frac{1}{361}$	99. $64^{-\frac{2}{3}} = \frac{1}{16}$
20. $324^{\frac{1}{2}} = 18$	40. $32^{\frac{3}{5}} = 8$	60. $36^{-\frac{1}{2}} = \frac{1}{6}$	80. $169^{\frac{1}{2}} = 13$	100. $25^{\frac{3}{2}} = 125$