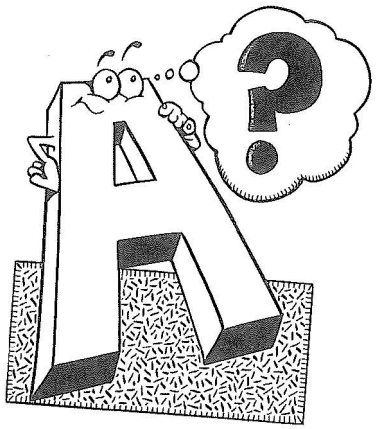
Index laws—brackets and power of zero

If you were to spell out numbers, how far would you have to go until you would find the letter A?



Expand each problem to remove the brackets. Match the letters in the question boxes with values in the code box to solve the riddle.

$(2x^2)^3$ S	$(5y^3)^2$ O	
$(6x^4)^2$ H	$(y^4)^3$ O	$(7x^5)^3$ E
$(8y^4)^2$ N	x^0 U	$(3y^2)^4$ D
$(3x^3)^3$ N	$(4y^2)^4$ T	$(x^2)^4$ A

$25y^6$	$27x^9$	$343x^{15}$

$256y^8$	$36x^8$	y^{12}	1	$8x^6$	x^8	$64y^8$	$81y^8$

Published by Macmillan Education Australia. ISBN 978 1 4202 2886 1