

Exponent power: Expert power problems

Use these tables to work out your answers.

2^1	2
2^2	4
2^3	8
2^4	16
2^5	32
2^6	64
2^7	128
2^8	256
2^9	512
2^{10}	1 024
2^{11}	2 048
2^{12}	4 096
2^{13}	8 192
2^{14}	16 384

3^1	3
3^2	9
3^3	27
3^4	81
3^5	343
3^6	729
3^7	2 187
3^8	6 561
3^9	19 683
3^{10}	59 049
3^{11}	177 147
3^{12}	531 441
3^{13}	1 594 323
3^{14}	4 782 969

5^1	5
5^2	25
5^3	125
5^4	625
5^5	3 125
5^6	15 625
5^7	78 125
5^8	390 625
5^9	1 953 125
5^{10}	9 765 625
5^{11}	48 828 125
5^{12}	244 140 625
5^{13}	1 220 703 125
5^{14}	6 103 515 625

1. $343 \times 81 =$

I know this because ...

2. $4\,096 \div 128 =$

I know this because ...

3. $625^2 =$

I know this because ...

4. $\sqrt{6\,561} =$

I know this because ...

5. $5^{-3} = \frac{\square}{\square}$

I know this because ...