

Exercise 4A

Q9

Answer:

1600

1600 can be expressed as the product of prime factors in the following manner:

2	1600												
$\frac{2}{2}$	800												
2	400												
2	200												
2	100												
$\frac{2}{2}$	50												
5	25												
5	5												
	1												
16	00 = 2 ×	2:	× 2	×	2	X	2	X	2	X	5	×	5

Therefore, to make the quotient a perfect cube, we have to divide 1600 by: $5\times 5=25\,$

Q10 Answer:

2	8788
2	4394
13	2197
13	169
13	13
	1

8788

8788 can be expressed as the product of prime factors as $2\times2\times13\times13\times13$. Therefore, 8788 should be divided by 4, i.e. (2×2) , so that the quotient is a perfect cube.

********* END ********