Exercise 4A

Q9

Answer :

1600

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

2	1600
2	800
2	400
2	200
2	100
2	50
5	25
5	5
	1

$1600 = 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 5 \times 5$

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 $2 \times 2 \times 13 \times 13 \times 13$.
Therefore, 8788 should be divided by 4, i.e. (2×2), so that the quotient is a perfect cube.

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