PRODUCT OF PRIME FACTORS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1.	2.
Express 12 as a product of its prime actors	Express 18 as a product of its prime factors
Express 24 as a product of its prime factors	Express 30 as a product of its prime factors
Express 36 as a product of its prime factors	Express 42 as a product of its prime factors
Express 50 as a product of its prime factors	Express 56 as a product of its prime factors
Express 60 as a product of its prime factors	Express 72 as a product of its prime factors
Express 84 as a product of its prime factors	Express 90 as a product of its prime factors
Express 96 as a product of its prime factors	Express 108 as a product of its prime factors
Express 120 as a product of its prime factors	Express 132 as a product of its prime factors
Express 144 as a product of its prime factors	Express 150 as a product of its prime
Express 168 as a product of its prime	Express 180 as a product of its prime

23.	24.
Express 240 as a product of its prime factors	Express 252 as a product of its prime
Express 270 as a product of its prime	Express 288 as a product of its prime
Express 300 as a product of its prime	Express 324 as a product of its prime
Express 360 as a product of its prime factors QUESTIONS	Express 420 as a product of its prime factors

2/.

M1.

23

A rectangular garden measures 24 metres by 36 metres. Express the area in equare metres as a product of prime factors

A factory produces boxes that can hold 60 items each. Express the number of items in 12 boxes as a product of prime factors

A school has 180 students and 12 classrooms. Express the maximum number of students per classroom if divided equally as a product of prime factors

A recipe requires 250g of flour and makes 10 portions. Express the flour per portion in grams as a product of prime factors

A cube has a volume of 216 cubic centimetres. Express the length of one side in centimetres as a product of prime factors

A bus route takes 84 minutes to complete one circuit. Express the time for 6 circuits in minutes as a product of prime factors

A bookshelf can hold 48 books per shelf and has 5 shelves. Express the total pacity as a product of prime factors

M9.

A school year has 195 days divided into 3 equal terms. Express the number of days per term as a product of prime factors

A rectangular field has an area of 525 square metres and length 35 metres. Express the width in metres as a product of prime factors