

## Questions

Q1.

Express 825 as a product of its prime factors.

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**(Total for Question is 3 marks)**

Q2.

Express 200 as a product of powers of its prime factors.

.....

**(Total for question is 3 marks)**

Q3.

Express 126 as a product of its prime factors.

.....

**(Total for question = 3 marks)**

Q4.

Express 300 as a product of its prime factors.

.....

**(Total for question = 3 marks)**

Q5.

Express 204 as a product of its prime factors.

.....

**(Total for question = 3 marks)**

Q6.

(a) Write 252 as a product of its prime factors.

.....

**(2)**

Given that  $240 = 2^4 \times 3 \times 5$

and that  $y = 240 \times 252$

(b) write  $y$  as a product of powers of its prime factors

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**(2)**

**(Total for Question is 4 marks)**

Q7.

Write down all the factors of 30

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**(Total for Question is 2 marks)**

Q8.

Write down all the factors of 20

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**(Total for question = 2 marks)**

Q9.

(a) Find all the factors of 45

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(2)

(b) A common factor of 42 and 45 is 1  
Find the other common factor of 42 and 45

.....

(1)

**(Total for Question is 3 marks)**