Prime Factorisation

SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 Write 88 as a product of its prime factors.

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(Total for Question 1 is 2 marks)

2 Write 180 as a product of its prime factors.

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(Total for Question 2 is 2 marks)

3 Write 450 as a product of its prime factors.

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(Total for Question 3 is 2 marks)

4 Write 112 as a product of its prime factors.

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(Total for Question 4 is 2 marks)

5 Write 126 as a product of its prime factors.

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(Total for Question 5 is 2 marks)

6 Write 260 as a product of its prime factors.

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(Total for Question 6 is 2 marks)

7 Write 308 as a product of its prime factors.

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(Total for Question 7 is 2 marks)

8 Write 310 as a product of its prime factors.

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(Total for Question 8 is 2 marks)

9 Write 116 as a product of its prime factors.

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(Total for Question 9 is 2 marks)

10 Adil was asked to express 360 as a product of its prime factors.

He says,

"The answer is $2^3 \times 9 \times 5$"

Is Adil correct?
You must give a reason for your answer.

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(Total for Question 10 is 1 mark)

11 Becca thinks of two numbers, A and B.

$A = 2^3 \times 3^4 \times 11$

$B = 10A$

Write B as a product of its prime factors.

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(Total for Question 11 is 2 marks)

12 Cameron thinks of two numbers, C and D.

$C = 2 \times 3^3 \times 5^4$

$C : D = 3 : 5$

Write D as a product of its prime factors.

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(Total for Question 12 is 2 marks)