



SCAN ME

Prime Factorisation



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REVISE THIS TOPIC

CHECK YOUR ANSWERS

1 Write 88 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

2 Write 180 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

3 Write 450 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

$\frac{\quad}{9}$





4 Write 112 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

5 Write 126 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

6 Write 260 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____





7 Write 308 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

8 Write 310 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

9 Write 116 as a product of prime factors.
Give your answer in index form. [3 marks]

Answer _____

$\frac{\quad}{18}$

Turn over ►





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

He says,

“The answer is $2^3 \times 9 \times 5$ ”

Is Adil correct?

You must give a reason for your answer.

[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 prime factors.

[2 marks]

Answer _____

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 prime factors.

[2 marks]

Answer _____

$\frac{\quad}{5}$

