15. *(a)* Express 756 as a product of prime numbers in index form.

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[3]

(b) Write down the least positive whole number that 756 must be **divided** by to make the result a perfect square.

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[1]

14. *(a)* Express 540 as a product of prime numbers in index form.

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[3]

(b) Write down the least positive whole number that 540 must be multiplied by to make the result a perfect square.

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[1]

13. Express 882 as a product of prime numbers in index form.

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[3]

13. *(a)* Express 700 as a product of prime numbers in index form.

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[3]

(b) Use your result in part *(a)* to write down the smallest multiple of 700 which is a perfect square.

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[1]

14. Express 108 as a product of prime numbers in index form.

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[3]