

~~MA~~ = ~~14~~ days to go!

16 (a) Write 200 as a product of its prime factors.

Give your answer in index notation.

Answer _____ [3]

(b) Hence find the smallest number you can multiply 200 by to make a cube number.

Answer _____ [1]

5 A full jar of coffee weighs 670 g. An empty coffee jar weighs 450 g.

Both are measured to the nearest 5 g.

Calculate the maximum weight of coffee in the jar.

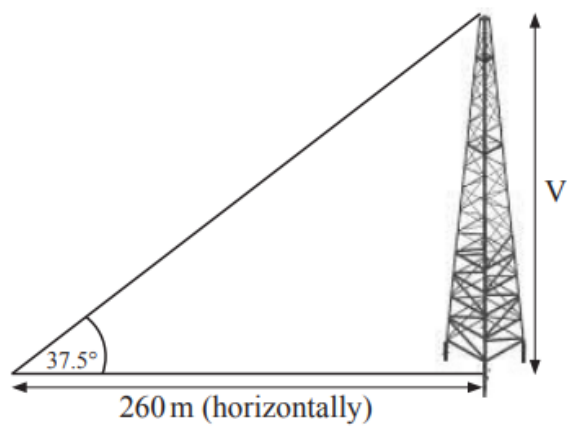
Answer _____ g [3]

17 Calculate the compound interest that £1 600 would earn after three years at 5% interest per annum.

Give your answer correct to the nearest £.

Answer £ _____ [4]

24 Calculate the height V of this vertical radio mast.



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Answer _____ m [3]