Name:

Exam Style Questions

Cube Numbers
Cube Roots



Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

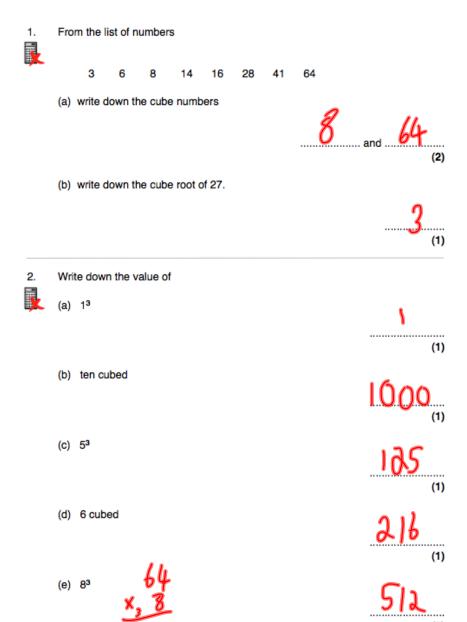
- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

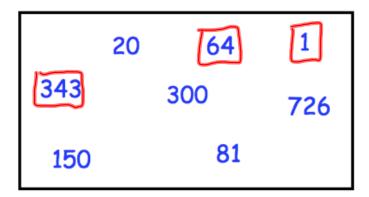
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3.



Circle all the cube numbers.

(2)

Write down the value of



(a) ³√64

4 (1)

(b) ∛8

2 (1)

(c) ∛0

(1)

(d) ³√1000

10

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Calculate 7.13



357.911

(1)

Calculate ³√614.125



8.5

7. Hollie says "when you cube root a number, the answer is always smaller."



Show she is wrong.

Counter examples can include the cube root of numbers between 0 and 1 (inclusive) (2)

8. Write down a cube number that is greater than 100 and less than 200.

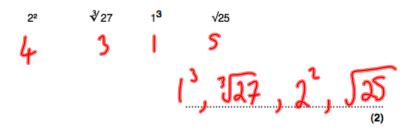


125

9.

Arrange these in order, starting with the smallest.





10. 729 is both a square number and a cube number.



Find two other numbers that are both square numbers and cube numbers.

and 64 de

11.

Don says



"the difference between two consecutive cube numbers is always odd."

Is Don correct?

You must show your workings.

off x off x off = off

5x5x5=125 4x4x4=64

Even & ever & even = ever

125-64=61

ever-old = odd

yes he is correct. (2)