**indices**

**A**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. Evaluate:

a) b) c) d)

2. Evaluate:

a) b) c)

3. Find 3 different expressions involving fractional indices that have a value between 5 and 15.

4. i) Explain what is wrong with the following solution:

Evaluate:

*i) = -*

*ii) = = = 512*

i)

ii)

ii) Find the correct solutions

5) Place the following numbers in order from smallest to highest:

|  |  |  |  |
| --- | --- | --- | --- |
| Qu |  | ☺ | ☹ |
| 1a, 1b & 4 | I can evaluate negative indices |  |  |
| 1c, 1d, 3 & 4 | I can evaluate fractional indices |  |  |
| 2 & 5 | I can solve problems involving negative and fractional indices |  |  |

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| Top tips I must remember for the exam: |
| ☺  ☺  ☺ |
| Types of questions I need to practise more: |
| ☺  ☺  ☺ |