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Unit Test Project

ALANDA VIDYALAYA

Grade 6

Mathematics

Unit: 24 - Indices

- Answer all questions.
- 1. Complete the following table.

Index	()2	() ²	$()^{2}$	$()^2$	$()^{2}$	$()^{2}$	$()^{2}$	$(\)^{2}$
Base								
2								
3								
4								
5								
6								
7								
8								
9								
10								

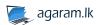
- What is four times three equal to?
 - What is four to the power three equal to?
 - iii) Find the difference of the above two answers.
 - iv) Write two suitable numbers to fill in the following cages.

- What is twelve times three equal to? 3. i)
 - What is twelve to the power three equal to?
- 4. Fill in the blanks.

i)
$$(.....^2) + (.....^2) = 35$$
 ii) $(.....^2) + (.....^2) = 41$

ii)
$$(....^2) + (....^2) = 41$$

- 5. i) Express 72 as a product of prime numbers.
 - ii) Write it in index notation.



6. Find the value. $2^4 \times 5^2$

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