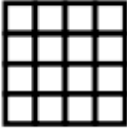



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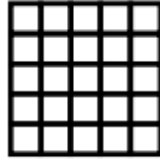
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Square numbers and cube numbers

Use your knowledge of square and cube numbers to answer the following questions.

1 
 $4^2 = 4 \times 4$

2 
 $3^3 = 3 \times 3 \times 3$

3 
 $5^2 = 5 \times 5$

4 
 $2^3 = 2 \times 2 \times 2$

5 6^2

6 7^2

8 1^3

9 $9^2 - 3^3$

10 $4^2 + 5^2$

7 $2^3 + 3^3$

11 I squared a number and got 16.
What number did I start with?

12 A square lawn is 2 metres wide.
What is the area of the lawn?
 m²

13 Adam adds two square numbers.
His answer is 45.
Which numbers did he add?
 and

14 Gabs thought of a number.
She cubed her number and got an answer of 1000.
Which number did she begin with?

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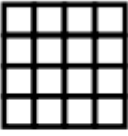
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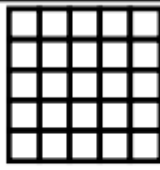
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Square numbers and cube numbers

Answers

1 
 $4^2 = 4 \times 4$
16

2 
 $3^3 = 3 \times 3 \times 3$
27

3 
 $5^2 = 5 \times 5$
25

4 
 $2^3 = 2 \times 2 \times 2$
8

5 6^2
36

6 4^3
64

7 9^2
81

8 1^3
1

9 $9^2 - 3^3$
72

10 10^2
100

12 12^2
144

11 I squared a number and got 49.
What number did I start with?
7

12 A square lawn is 12 metres wide.
What is the area of the lawn?
144 m²

13 Adam adds two square numbers.
His answer is 45.
Which numbers did he add?
36 and **9**



14 Gabs thought of a number.
She cubed her number and got an answer of 1000.
Which number did she begin with?
10

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