Square numbers and cube numbers

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square numbers

H A N A
M A T H

A square number is the product of any number multiplied by itself.

For example, 5 multiplied by itself 5 x 5 gives the square number 25

The first ten square numbers are:

1, 4, 9, 16, 25, 36, 49, 64, 81 and 100

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1 write down the square root of 49

2 write down the square root of 81

3 write down the value of 6^2

4 write down the value of 8^2

5 **write down the value of four squared**

6 **write down the value of 12^2**

7 **write down all the square numbers between 10 and 50**

8 80 can be found by adding together two different square numbers

$$\boxed{} \;+\; \boxed{} \;=\; 80$$

9 a square number and a prime number have a total of 11.
what are the two numbers?

10 Fill in the blanks with the same number.

$$\boxed{} \times \boxed{} = 100$$

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cube numbers

A cube number is a number that has been multiplied by itself and then multiplied by itself again.

It is the product of three equal numbers.

For example, 27 is a cube number because 3 × 3 × 3 = 27. This can be written as $3^3 = 27$, using index, or power, notation

Examples of cube numbers 5 × 5 × 5 = 5^3 = 125

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11 write down the value of 2^3

12 write down the value of 10^3

13 write down the value of five cubed

14 write down the value of 0^3

15 write down the value of 6^3

16 100 can be found by adding together a squar number and a cube number.

$$\boxed{} + \boxed{} = 100$$

Answer sheet

1 7

2 9

3 36

4 64

5 16

6 144

7 16, 25,36,49

8 16, 64

9 2, 9

10 10, 10

11 8

12 1000

13 125

14 0

15 216

16 36, 64