

Name: _____

CUBE NUMBERS



Cube Numbers are the result of multiplying a number by itself three times. For example:

$$2^3 = 2 \times 2 \times 2 = 8, \text{ so } 8 \text{ is a cube number}$$

$$3^3 = 3 \times 3 \times 3 = 27, \text{ so } 27 \text{ is a cube number.}$$

Complete the Cube Numbers Table:

1^3	$= 1 \times 1 \times 1$	$= 1$
2^3	$= 2 \times 2 \times 2$	$= 8$
3^3	$= 3 \times 3 \times 3$	$= 27$
4^3	$= 4 \times 4 \times 4$	$= 64$
5^3	$= 5 \times 5 \times 5$	$= 125$

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1. Fluency Questions

a) $2^3 = \underline{8}$

b) $4^3 = \underline{64}$

c) $5^3 = \underline{125}$

d) $10^3 = \underline{1000}$

The following questions require knowledge of **square** and **cube** numbers

2. Use $<$, $>$ or $=$ to make each number statement correct.

a) $1^2 \text{ (} \neq \text{)} 1^3$

b) $5 \times 3 \text{ (} < \text{)} 5^3$

c) $8^2 \text{ (} = \text{)} 4^3$

$<$ = Less Than

d) $4^2 \text{ (} > \text{)} 2^3$

e) $3^2 \text{ (} > \text{)} 2^3$

f) $4^3 + 6^2 \text{ (} = \text{)} 10^2$

$>$ = More Than

3. Sort the number cards into the correct sections of the Venn diagram.

