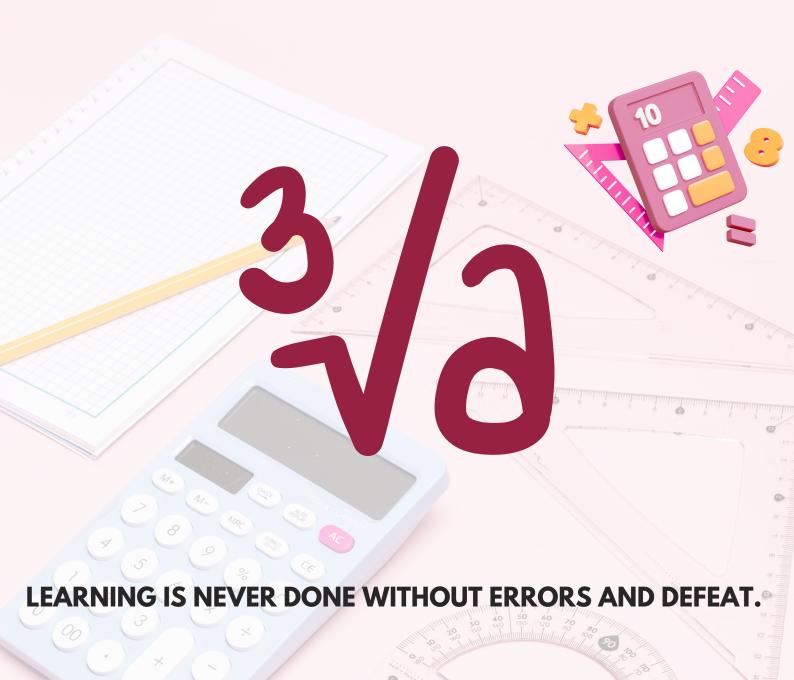


CUBE & CUBE ROOTS

Worksheet 1



1234

1. The volume o	f a cubical box is 13824 $_{\it cr}$	n^3 . Find the length of the	side of the box
A. 24	B. 14	C. 25	D. 19
	digit number 1b6a3, a is th , then the sum of the numb	• • • •	rfect cube and twice of it
A. 18700	B. 11862	C. 19710	D. 25320
3. How many co	ubes of volume 216 $cm^3{ m c}$	an be obtained from a cu	ube whose side is 36 cm?
A. 216	B. 125	C. 729	D. 343
4. If $\sqrt[3]{x \times 0.0}$	000009 = 0.3, then the valu	we of \sqrt{x} is	
A. 27	B. 81	C. 9	D. 18
	f a number when divided l number. Find the number.		ber gives square of the
A. 512	B. 8	C. 64	D. 125
6. Which of the	e following is incorrect?		
D. 2197 is a pe	f a negative number is alverfect cube. $\frac{1}{\sqrt{x}} = 2, \text{ then } \sqrt[3]{x} + \frac{1}{\sqrt[3]{x}} = 1$	vays positive.	lath
A. $\frac{10}{3}$	B. $\frac{1}{3}$ BELIEV	E YOUJ <u>I</u> SELF	D. $\frac{3}{5}$
8. If $\sqrt[3]{-2744} \div$	$\sqrt[3]{0.008}=x,$ then the value	of x is	
A. 70	B70	C. 14	D14
9. Three numb	ers are in the ratio of 2:3:	4. The sum of their cubes	is 33957. Find the numbers.
A. 14,21,28	B. 21,28,35	C.7,14,21	D. 7,35,70
10. What is the perfect cube?	smallest number by which	n 4608 may be multiplied	so that the product is
A. 1	В. 3	C. 6	D. 27



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Answer Key

1. A

2.B

3.A

4.B

5.A

6.C

7.A

8.B

9.A

10.B

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