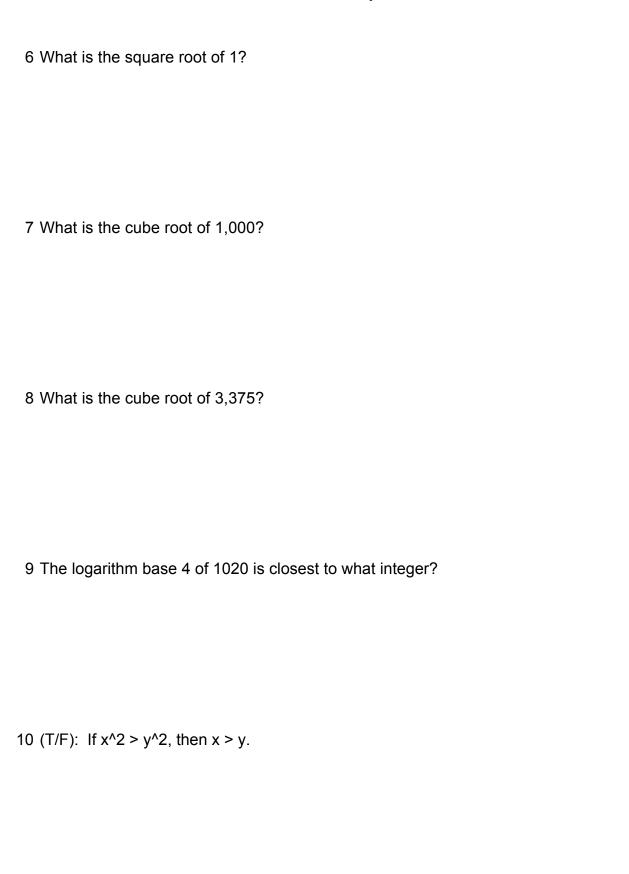
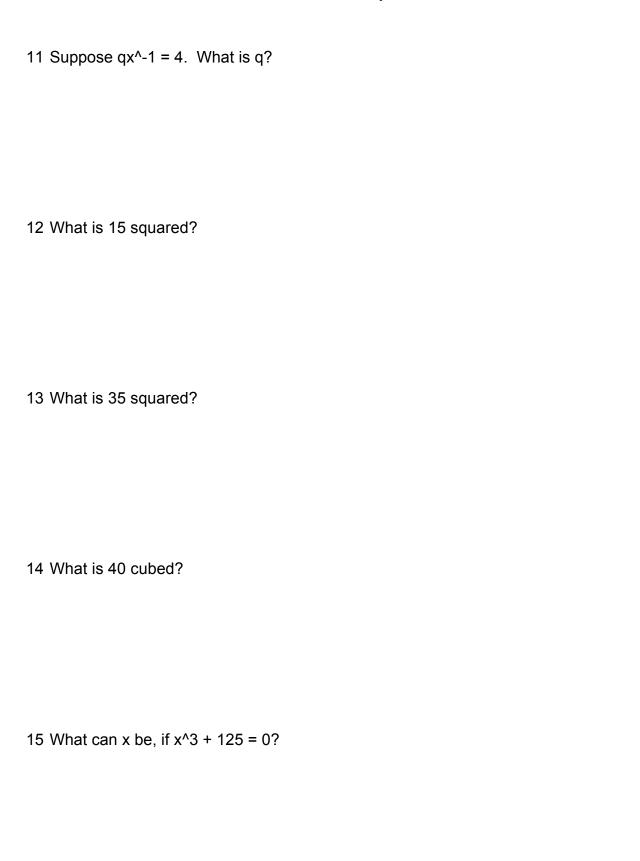
1	What can x be, if x^4 - 81 = 0?	
2	A number, p, has 6 subtracted from it to produce a second number. second number is -0.9. What is p?	The cube root of the
3	A number, t, has 21 subtracted from it to produce a second number. second number is -0.4. What is t?	The fifth root of the
4	A number, t, has 20 subtracted from it to produce a second number. second number is 0.6. What is t?	The cube root of the
5	A number, x, has 21 subtracted from it to produce a second number second number is 0.1. What is x?	. The fifth root of the

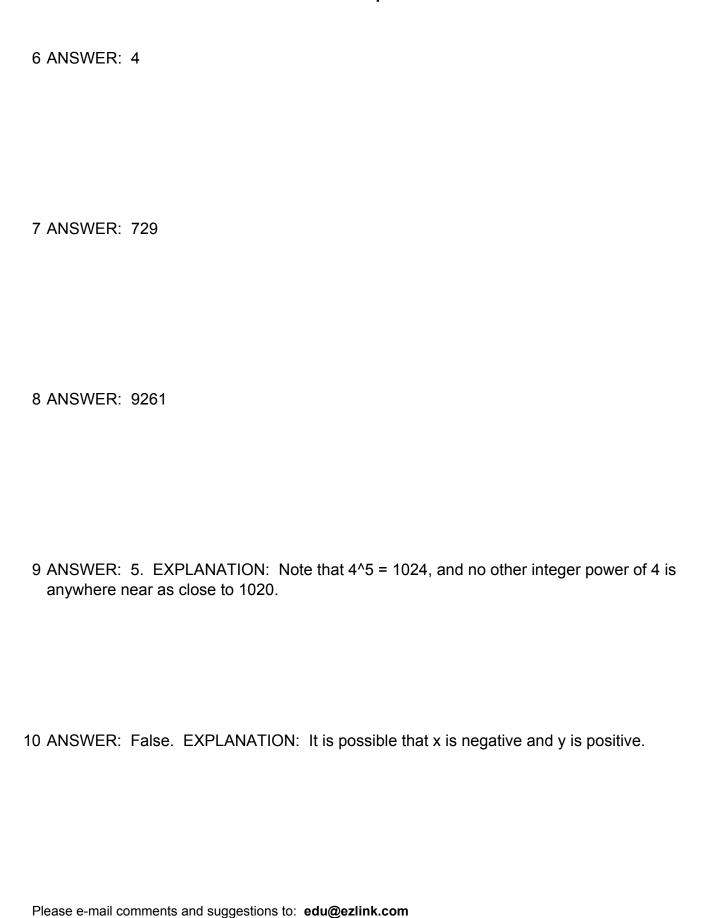
Please e-mail comments and suggestions to: edu@ezlink.com





1	ANSWER: -3 or 3. EXPLANATION: The fourth root of a number is the square root of the square root of the number. The square root of 81 is 9, and the square root of 9 is 3. Since the exponent (4) is even, both the positive and negative roots are correct answers.
2	ANSWER: 5.271. EXPLANATION: The second number is -0.9 cubed, or -0.729. This is 6 less than p, so we add to get the answer.
3	ANSWER: 20.98976. EXPLANATION: The second number is -0.4 to the fifth power, or -0.01024. This is 21 less than t, so we add to get the answer.
4	ANSWER: 20.216. EXPLANATION: The second number is 0.6 cubed, or 0.216. This is 20 less than t, so we add to get the answer.
5	ANSWER: 21.00001. EXPLANATION: The second number is 0.1 to the fifth power, or 0.00001. This is 21 less than x, so we add to get the answer.

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11	ANSWER: $4x^1$. EXPLANATION: The expression x^1 means $1/(x^1)$. If we multiply by x^1 , the two cancel each other, and we need only multiply by 4 to equal the number the right side of the equation.	
12	ANSWER: 225	
13	ANSWER: 1,225	
14	ANSWER: 64,000	
15	ANSWER: -5. EXPLANATION: The number whose cube is 125 is 5. Because x^3 be negative, x must also be negative.	must

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