

MATHEMATICAL LIBRARY METHODS

A. Tick (✓) the correct option.

1. Which of the following methods is used to find the square root of a number?

a. Math.pow()

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b. Math.sqrt()

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c. Math.abs()

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d. Math.cbrt()

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2. What will Math.pow(2,3) return?

a. 6

☐

b. 8

☐

c. 9

☐

d. 16

☐

B. Fill in the Blanks

- The method used to return the cube root of a number is
- Math.random() generates a random number between and
- Math.ceil(2.3) returns the smallest integer greater than
- The method Math.floor(5.8) will return

C. Match the Following

Column A

- Math.min(3,7)
- Math.sqrt(16)
- Math.pow(2,5)
- Math.abs(-20)

Column B

- Returns 32.0
- Returns 3
- Returns 20
- Returns 4.0

D. Short Questions

- What is the difference between Math.ceil() and Math.floor()?
- Write a Java statement to find the square root of 81 using the Math class.
- What is the purpose of the Math.abs() function?
- How does Math.round() behave with positive and negative numbers?