

MATHEMATICAL LIBRARY METHODS

A. Tick (✓) the correct option.

1. Which method is used to find the maximum of two values?

a. Math.minimum()

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b. Math.max()

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c. Math.highest()

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d. Math.compare()

☐

2. What does Math.sqrt(49) return?

a. 49

☐

b. 7

☐

c. 14

☐

d. 0

☐

B. Fill in the Blanks

1. The method used to return the square root of a number is

2. Math.random() generates a random number between and

3. Math.pow(a, b) calculates raised to the power of

4. The method Math.ceil(2.3) returns the smallest integer greater than

C. Match the Following

Column A

1. Math.max(3,7)

2. Math.ceil(16.9)

3. Math.pow(3,2)

4. Math.abs(Math.min(-20,-4))

Column B

i. Returns 4

ii. Returns 9.0

iii. Returns 7

iv. Returns 17.0

D. Short Questions

1. Explain the difference between Math.ceil() and Math.floor().

2. Write a Java statement to find the cube root of 125 using the Math class.

3. What is the purpose of the Math.random() function?

4. How does Math.round() behave with positive and negative numbers?