Rational and Irrational Numbers

Math

Name_____ Class_____ Date_____

1 A **square root**, $\sqrt{\ }$, of a number is a number that when multiplied by itself will equal the given number.

True or false?

A true
B false

2 What does the $\sqrt{1.44}$ equal?

A 13
B 12
C 1.3
D 1.2

3 What does the $\sqrt{81}$ equal?

A 8.1
B 9
C 9.1

4 What two whole numbers is the $\sqrt{45}$ between?

A 4 and 5
B 5 and 6

5

7

B $\sqrt{1}$
C 0.333...
D $\sqrt{2}$

A $\sqrt{\left(\frac{4}{121}\right)}$
B π
C 0.2121...
D 0.375

9 Which of the following numbers, $\sqrt{3}$, π, $\sqrt{8}$, $\sqrt{\left(\frac{9}{81}\right)}$, $\sqrt{17}$ is a **rational** number?

A $\sqrt{17}$ C $\sqrt{\left(\frac{9}{81}\right)}$

B π D $\sqrt{8}$

10 Which of the following numbers, **0.1321768...**, $\sqrt{12}$, $\sqrt{\left(\frac{8}{49}\right)}$, **0.478478...**, π is a **rational** number?

A 0.478478   C $\sqrt{\left(\frac{8}{49}\right)}$

B 0.1321768...   D π

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1 A **square root**, $\sqrt{}$, of a number is a number that when multiplied by itself will equal the given number.

True or false?

A true
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(A)

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B 12
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(D)

3 What does the $\sqrt{81}$ equal?

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(B)

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B 5 and 6

(C)

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(B)

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(B)

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D $\sqrt{8}$

(C)

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A 0.478478
B 0.1321768…
C $\sqrt{\left(\frac{8}{49}\right)}$
D π

(A)