



Name _____ Class _____ Date _____

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

True or false?

- A true
- B false

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

- A 8.1
- B 9
- C 9.1
- D 9.5

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

- A 13
- B 12
- C 1.3
- D 1.2

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

- A 4 and 5
- B 5 and 6
- C 6 and 7
- D 7 and 8



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- A 0.0909
- 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 $\sqrt{17}$
- B π
- C $\sqrt{\left(\frac{9}{81}\right)}$
- 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
- B 0.1321768...
- C $\sqrt{\left(\frac{8}{49}\right)}$
- D π



ANSWER KEY

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

True or false?

- A true
- B false

(a)

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

- A 13
- B 12
- C 1.3
- D 1.2

(d)

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

- A 8.1
- B 9
- C 9.1
- D 9.5

(b)

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

- A 4 and 5
- B 5 and 6
- C 6 and 7
- D 7 and 8

(c)



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

- B π
- C 0.2121...
- D 0.375

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

- A $\sqrt{17}$
- B π
- C $\sqrt{\left(\frac{9}{81}\right)}$
- D $\sqrt{8}$

(c)

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
- B 0.1321768...
- C $\sqrt{\left(\frac{8}{49}\right)}$
- D π

(a)